da|ra Metadata Schema: Version 2.2.1

Hausstein, Brigitte; Quitzsch, Nicole; Jeude, Kerstin; Schleinstein, Natalija; Zenk-Möltgen, Wolfgang

Veröffentlichungsversion / Published Version
Verzeichnis, Liste, Dokumentation / list

Zur Verfügung gestellt in Kooperation mit / provided in cooperation with:
GESIS - Leibniz-Institut für Sozialwissenschaften

Empfohlene Zitierung / Suggested Citation:
Hausstein, B., Quitzsch, N., Jeude, K., Schleinstein, N., & Zenk-Möltgen, W. (2013). *da|ra Metadata Schema: Version 2.2.1.* (GESIS-Technical Reports, 2013/03). Mannheim: GESIS - Leibniz-Institut für Sozialwissenschaften. https://doi.org/10.4232/10.mdsdoc.2.2.1

gesis Leibniz-Institut für Sozialwissenschaften

TECHNICAL *Reports* 2013|03

da|ra Metadata Schema

Version 2.2.1

DOI:10.4232/10.mdsdoc.2.2.1

Brigitte Hausstein, Nicole Quitzsch, Kirsten Jeude, Natalija Schleinstein, Wolfgang Zenk-Möltgen

GESIS-Technical Reports 2013|03

da|ra Metadata Schema

Version 2.2.1

DOI:10.4232/10.mdsdoc.2.2.1

Brigitte Hausstein, Nicole Quitzsch, Kirsten Jeude, Natalija Schleinstein, Wolfgang Zenk-Möltgen

GESIS – Leibniz-Institut für Sozialwissenschaften 2013

GESIS-Technical Reports

GESIS – Leibniz-Institut für Sozialwissenschaften
da|ra Registrierungsagentur für Sozial- und Wirtschaftsdaten
Schiffbauerdamm 19
10117 Berlin
Telefon: (030) 30 23 36 11 -314
Telefax: (030) 30 23 36 11 -310
E-Mail: brigitte.hausstein@gesis.org

DOI: 10.4232/10.mdsdoc.2.2.1
ISSN: 1869-0483 (Print)
ISSN: 1869-0491 (Online)
Herausgeber,
Druck und Vertrieb: GESIS - Leibniz-Institut für Sozialwissenschaften
Unter Sachsenhausen 6-8, 50667 Köln

Contents

1 Introduction

1.1 The Registration Agency da|ra

da|ra operates as the registration agency for social science and economic data jointly run by GESIS and ZBW. da|ra pursues the goal of long-term, persistent identification and availability of research data via allocation of DOI names. In keeping with the ideals of good scientific practice there is a demand for open access to existing primary data so as to not only have the final research results but also be able to reconstruct the entire research process. GESIS (http://www.gesis.org) and ZBW (www.zbw.eu) therefore offer a registration service for social and economic research data in cooperation with DataCite (http://www.datacite.org), an international consortium pursuing the goal of supporting the acceptance of research data as independent citable scientific objects. This infrastructure lays the foundation for long-term, persistent identification, storage, localization and reliable citation of research data.

Benefits of DOI names for research data:

- easier access
- simple citation
- visibility of research
- proof of impact (citation rate)
- traceability of research
- support for secondary analysis
- visibility for data providers

The DOI name is comprised of a unique alphanumeric character string; a prefix and suffix, whereby the prefix always begins with "10" and prefix and suffix are separated by a forward slash. Prefixes are assigned by the International DOI Foundation (IDF) via DataCite. Each data center is assigned its own prefix thus permitting an unlimited number of DOI names. The suffix is agreed by the publication agent in conjunction with da|ra.

Each DOI name permanently identifies the assigned object as an entity regardless of whether the storage location changes. Updated, structured metadata is assigned to the document using the DOI name. The allocation of DOI names to the objects transpires automatically following successful transmission of the metadata per object to be registered.

1.2 The Metadata Schema

The da|ra metadata schema is a list of core metadata properties chosen for the identification of data and retrieval purposes. Each DOI name is linked to a set of metadata, a collection of bibliographical and content information, which describe in detail the registered datasets (title, author, publication date, copyright etc.) and present the properties of datasets, their structure and contextual relations.

The da|ra metadata schema provides a determined number of mandatory elements – core properties - , that have to be submitted by the publication agent at the time of data registration. Publication agents may also choose to use optional properties to identify their data more clearly.

For all metadata properties the respective names, definitions, attributes, conditions, cardinality (maximum occurrence) as well as value domains are defined. Some properties comply with ISO norms. These norms determine e.g., which code for a language or geographic coverage has to be applied. Controlled vocabularies such as thesauri and classifications are applicable. These vocabularies are complemented by da|ra controlled terms.

Although da|ra complies with the official DataCite Metadata Schema, it has broadened the DataCite metadata by adding some specific properties related to the social sciences and economics.

1.3 Version 2.2.1 Update

The current version 2.2.1 is based on the version 1.0 of the da|ra metadata schema and has been further developed in line with the DataCite metadata schema, Version 2.2, to provide comprehensive support for searching and, particularly, a more extensive description of social and economic research data.

Version 2.2.1 of the da|ra metadata scheme introduces several changes, as noted below:

<u>New Properties:</u>

- 4.1.1 Person ID
- 4.1.1.2 URI for authority record Person ID
- 4.2.2.2 URI for authority record Institution ID
- 6.4 Registration agency ID
- 14A Classification extern
- 14A.1 Vocabulary
- 17.1 Kind of description
- 22.1 Time dimension (controlled)
- 22.2 Time dimension (free)
- 22.3 Frequency
- 26 Dataset
- 26.1 Type of Units
- 26.2 Number of Units
- 26.4 Type of Data
- 26.4 File Name

- 32.1 Kind of Relation
- 32.2 Identifier Type
- 33.1.16.1 PID Type

Omitted Properties:

- Links (element 28 in the version 1.0)

Renaming of Properties:

- 2 alternative title = other titles
- 18 Geographic coverage = Geographic coverage (generic term) (in Version 1.0 the property 16 - population)

Documentation:

The documentation contains new XML examples: a short version with mandatory properties and a long version with mandatory and optional properties. The XSD schema file is attached.

Definitions:

The definitions of the properties of the metadata schema 2.2.1 have been revised and modified for increased clarity.

1.4 A Note about da|ra DOI registration

da|ra obtains the DOI names via the GESIS membership in DataCite. DataCite is accredited as an official DOI registration agency within the DOI foundation (IDF http://www.doi.org).

TIB Hannover acts as a managing agent of DataCite and organizes the control of prefixes and the connection to IDF. The figuration of the suffixes is done by the publication agents and is determined in the Service Level Agreement.

da|ra governs the assignment of DOI names. It functions as the DOI allocation agency and is not commercially oriented. Besides the DOI allocation, da|ra is responsible for the elaboration of the service agreement (Service Level Agreement) together with the publication agents as well as for the administration of metadata. For both the maintenance and the storage of metadata the data centers are responsible.

Ensuring that metadata is persistent does not exclude its modifiability: data producers have the opportunity to amend the metadata whenever and as often as needed.

2 da|ra Metadata Properties

2.1 Overview

The tables below display in a simple manner the mandatory and optional properties of the metadata schema. Also shown are four administrative properties, three of which are automatically generated by da|ra.

More detail about these properties is provided in following sections of this documentation. The resource that is being described in the documentation is a dataset. The properties listed in Table 1 *must* be supplied when submitting metadata. The optional properties listed in *Table 2 may* be supplied when submitting metadata.

Table 1: da|ra Mandatory Properties

Nr.	da|ra Property
0	Resource Type
1	Title
4	Principal Investigator
5	Publication Agent (with optional attributes)[1]
6	Registration Agency (with attributes)[2]
7	DOI
8	URL
12	Publication Date
29	Availability (controlled)

[1] The details on the publication agent are generated from the user account. It is not part of the metadata set submitted by the publication agent.

[2] The details on the registration agency are generated from the da|ra database. It is not part of the metadata set submitted by the publication agent.

Table 2: da|ra Optional Properties

Nr.	da|ra Property
2	Other Titles (with Type attribute)
9	DOI proposal
10	Version
11	Language
13	Alternative Identifier (with Type attribute)
14	Classification intern (with attributes)
14A	Classification extern (with attributes)
15	Keywords (controlled) (with attributes)
16	Keywords (free)
17	Description (with Type attribute)
18	Geographic Coverage (with attributes)
19	Sampled Universe
20	Sampling
21	Temporal Coverage (with attributes)
22	Time Dimension (with attributes)
23	Data Collector (with attributes)
24	Collection Method (controlled)
25	Collection Method (free)
26	Dataset (with attributes)
27	Technical Description of Data (with attributes)
28	Notes
30	Availability (free)
31	Rights
32	Relation (with attributes)
33	Publications

In addition to the metadata provided by the publication agent, there are three administrative metadata properties (Table 3) that da|ra assigns to each da|ra metadata record: the date on which the metadata description was stored/updated by da|ra and a sequence number assigned to the metadata description by da|ra. As a rule, the study identifier is an internal identifier from the system of the publication agent. If the publication agent does not provide this identifier, it will be automatically assigned to the metadata record by da|ra.

Table 3: Administrative Metadata

Nr.	da|ra Property
34	Study Identifier
35	Update Metadata
36	Issue Number

2.2 Citation

Correct and complete citation of a resource can be created using the following properties:

Principal investigator (Publication Date): Title. Publication agent. Identifier

It may also be desirable to include information (if applicable) from the optional property Version and the mandatory property Resource Type. If so, the recommended form is as follows:

Principal investigator (Publication Date): Title. Version. Publication agent. Resource Type. Identifier

For citation purposes, the Identifier may optionally appear both in its original format and in a linkable, http format, as shown below:

- Fahrenberg, Jochen (2010): Freiburger Beschwerdenliste FBL. Primärdaten der Normierungsstichprobe 1993. Version 1.0.0. ZPID - Leibniz-Zentrum für Psychologische Information und Dokumentation. doi:10.5160/psychdata.fgjn05an08 http://dx.doi.org/doi:10.5160/psychdata.fgjn05an08
- Schmitt-Beck, Rüdiger u.a. (2009): Wahlkampf-Panel (GLES). Version 3.0.0. GESIS - Leibniz-Institut für Sozialwissenschaften. doi:10.4232/1.11131. http://dx.doi.org/doi:10.4232/1.11131
- Weßels, Bernhard u.a. (2011): Landtagswahl Berlin 2011 (GLES). Version 1.0.0. GESIS - Leibniz-Institut für Sozialwissenschaften. doi:10.4232/1.11054. http://dx.doi.org/doi:10.4232/1.11054

2.3 da|ra Mandatory Properties

The table below provides a detailed description of mandatory properties which must be submitted to da|ra by the publication agents. For an example of how to make a submission in XML format, please see the XML examples provided in the parts 3 and 4.

The schema file (XSD) for the validation of XML files is available at (http://www.da|ra.de/fileadmin/media/da|ra.de/Technik/dara_v2.2.1_de_en_19112012.xsd). The schema file contains vocabularies used by da|ra.

The indicators Attribute and Child (A/C) show whether the property being described is an attribute (A) or a child (C) of the corresponding property that has preceded it.

The attribute **Occ**urrence explains if a property can have multiple instances, which is indicated by the notation: Occ.1-n, meaning that a property must occur once (1), and may occur multiple times (n). A notation of “Req” indicates that an attribute is required if the corresponding property is applied; “Opt” indicates that it is optional.

Nr.	da|ra Property	Definition	A/C	Occ	Examples, allowed values, other constraints
0	Resource Type	The general type of a resource.		1	da|ra controlled list: Collection Film Dataset Image Grey Literature Text
1	Title	Title of a study.		1	
4	Principal Investigator	Name(s) of principal investigator(s). May be a corporate or personal name.		1-n	Either 4.1 or 4.2 or both
4.1	Name of the Principal Investigator	The name of the person.	C	1	Non-Latin types according to ALA/LC
4.1.1	First Name		C	1	Hans
4.1.2	Middle Name		C	0-1	C.
4.1.3	Last Name		C	1	Ackermann
4.1.4	Person ID	Unique identifier of the person. May be supplemented by da|ra, if not submitted.	C	0-n	e.g., ISNI 0000 1000 0000 1774 (John Smith) ORCID ID: G-1442-2009 (Peter Schwarz)
4.1.4.1	Vocabulary of Person ID	The name of the person ID scheme.	A	Req	required, if 4.1.4 is applied, e.g. Open Researcher and Contributor ID (ORCID http://www.orcid.org), International Standard Name Identifier (ISNI http://www.isni.org)
4.1.4.2	URI Name Authority Record	Persistent identifier of the name of the person ID scheme.	A	0-1	http://d-nb.info/gnd/124825109
4.1.4.3	Affiliation	The affiliation of the person.	A	1	e.g., Institute for Market Research
4.1.4.3.1	Affiliation ID	Unique Identifier of the affiliation according to various schemes. May be supplemented by da|ra if not submitted	C	1	SocioGuide ID 4173
4.1.4.3.2	Vocabulary Affiliation ID	The name of the institution ID scheme.	A	1	sowiport/SocioGuide
4.1.4.3.3	URI Vocabulary Affiliation ID	Persistent identifier of the name of the institution ID scheme.	A	1	http://www.gesis.org/sowiport/socioguide.html
4.2	Institution	The name of the institution.	C	1	e.g., Institute for Comparative Social Research

4.2.1	Institution ID	Unique identifier of the institution according to various schemes. May be supplemented by da|ra if not submitted.	C	0-n	e.g., GKD (Gemeinsame Körperschaftsdatei/The Corporate Body Authority File) ID 10158795-8
4.2.2.	Vocabulary Institution ID	The name of the institution ID scheme.	A	Req	required, if 4.2.1 is applied, e.g. GKD, ISNI etc.
4.2.3	URI Institution Authority Record	Persistent identifier of the name of the institution ID scheme.	A	0-1	e.g., http://d-nb.info/gnd/1007681-5
5	Publication Agent	The name of a person/institution responsible for making the study available in its present form.		1	The details on the publication agent are generated from the user account. It is not part of the metadata record submitted by the publication agent.
6	Registration Agency	Name of the registration agency.		1	da|ra The details on the registration agency are generated from the da|ra database. It is not part of the metadata record submitted by the publication agent.
7	DOI	Unique Digital Object Identifier, consisting of a prefix (allocated by the International DOI foundation within DataCite) and a suffix.		1	Assignment by the Publication Agent and da|ra once a user account has been created.
8	URL	Each DOI name has an URL to which it resolves. (Landing Page)	A	Req	e.g., http://info1.gesis.org/dbkse-arch13/sdesc2.asp?no=4975&tdb=D
12	Publication Date	The publication date of the study by the Publication Agent.		1	ISO 8601 format: YYYY or YYYY-MM-DD
29	Availability (controlled)	Conditions governing the access to primary data.	P	1	da|ra controlled list: Keywords in combination with traffic light symbols: Download Delivery On-site Not available Unknown

2.4 da|ra Optional Properties

The table below provides a detailed description of the optional properties which may be supplied by the Publication Agents to identify the registered resources more clearly (e.g. classification, information on other versions, related resources). For an example of how to make a submission in XML format, please see the XML examples provided in the parts 3 and 4.

The schema file (XSD) for validation of XML files is available at (http://www.da|ra.de/fileadmin/media/da|ra.de/Technik/dara_v2.2.1_de_en_19112012.xsd). The schema file contains vocabularies used by da|ra.

The indicators Attribute and Child (A/C) show whether the property being described is an attribute (A) or a child (C) of the corresponding property that has preceded it.

The attribute **Occ**urrence explains if a property can have multiple instances, which is indicated by the notation: Occ.1-n, meaning that a property must occur once (1), and may occur multiple times (n). A notation of "Req" indicates that an attribute is required if the corresponding property is applied; "Opt" indicates that it is optional.

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
2	Other Titles	Further titles.		0-n	e.g., a title in another language, subtitles
2.1	Title Type	The type of other titles.	A	Req	Required, if 2 is applied, da|ra controlled list: 1: alternative title; 2: translated title; 3: subtitle; 4: original title
9	DOI Proposal	The Publication Agent may suggest a DOI name, if an automatically generated DOI name is not required.	A	0-1	e.g., doi:10.1787/unesco-2011
10	Version	The version number of the registered study to which the metadata record refers. It will be generated automatically if not submitted by the Publication Agent.		1	e.g., Version 1.0.0
11	Language	The language in which the study is available at the Publication Agent		0-1	ISO 639-2; e.g. eng, ger
13	Alternate Identifier	An identifier other than the primary identifier of the registered study. This may be an identifier from the information system of the Publication Agent as well as from other information systems.		0-n	e.g., the dataset number or Handle from Dataverse
13.1	Alternate Identifier Type	The type of the alternative identifier.	A	Req	Required, if 13 is applied; da|ra controlled list: ARK|DOI|EAN13|EISSN|Handle|ISBN|ISSN|ISTC|LISSN|LSID|PURL|UPC|URL|URN
14	Classification Internal	Subject class (e.g. Sociology) from GESIS-Classification, ZA-Classification and JEL (Journal of Economic Literature) Classification.		0-n	To support the publication agents, three classification are provided (e.g. Sociology)
14.1	Class ID	Unique identifier of the subject class (no notation).	A	Opt	for each class only one identifier; e.g. 1030 demography (GESIS-Classification)
14.2	Vocabulary	The name of the applied subject classification system.	A	Req	e.g., GESIS-Classification, ZA-Classification, JEL-Classification
14.3	URI Classification Authority Record	Persistent identifier of the name of the applied subject classification system.	A	Opt	e.g., http://zbw.eu/stw/thsys/70201

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
14A	Classification External	Subject class (e.g. Sociology) from the classification system of the Publication Agent.		Opt	e.g., Social Policy
14A.1	Vocabulary	The name of the applied classification system of the Publication Agent.		Opt	e.g., SOEP-Classification
15	Keywords (controlled)	Controlled keywords (Thesauri or controlled vocabulary lists) that describe the content of the study in detail.		0-n	Keywords from TheSoz, STW, e.g. Agricultural Statistics
15.1	Keyword ID	Unique identifier of the keyword.	A	Opt	in STW the Thesaurus Identification Number (TIN); For each keyword only one identifier; e.g. 451923902
15.2	Vocabulary of Keyword ID	The name of the applied Thesauri or controlled vocabulary lists.	A	Req	e.g., STW, TheSoz
15.3	URI Keyword Authority Record	Persistent Identifier of the name of the applied Thesauri or controlled vocabulary lists.	A	Opt	e.g., http://zbw.eu/stw/versions/latest/thsys/70012/about
16	Keywords (free)	Free keywords describing the content of the study.		0-n	e.g., health care reform
17	Description	Description of the study content.		0-n	
17.1	Description Type	The type of the description.	A	Req	Controlled da|ra List: 1: Abstract 2: SeriesInformation 3: TableOfContents 4: Other
18	Geographic Coverage	Generic term for 18.1 and 18.2		0-n	
18.1	Geographic Coverage (controlled)	Geographic units on which the study focuses.	A		ISO 3166-2/3; e.g., DE / Germany, DE-BY (Bayern)

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
18.2	Geographic Coverage (free)	Geographic units on which the study focuses.	A		The option to indicate certain units, in case they cannot be found in the controlled vocabulary list. (e.g. Northern Germany or FRG without West Berlin). Labelling of the next related higher-level standard unit in the linked field 18.1 (e.g. Germany) is required.
19	Sampled Universe	Elements that are the object of the study and to which any analytic results refer.		0-1	e.g., adults in Eastern and Western Germany
20	Sampling	The type of the sample and sample design used to select the survey respondents to represent the population.		0-1	e.g., standardized instruments for data collection (questions and multiple-choice answers are predefined)
21	Temporal Coverage	Generic term for 21.1 und 21.2		0-n	
21.1	Temporal Coverage (controlled)	The time period to which the data refer (in case of surveys the time period of field work)	A		Calendar function, option to leave the day and /or month open; e.g., 1990-10-05 - 1991-10-09; 2002-12; 2005
21.2	Temporal Coverage (free)	The time period to which the data refer (in case of surveys the time period of field work)	A		Provides the possibility to indicate the temporal coverage, if the calendar mode cannot be applied or as a supplement to 21.1 (information on survey waves, seasons, etc.; e.g. autumn 1989).
22	Time Dimension	Generic term for 22.1-22.3		0-n	
22.1	Time Dimension (controlled)	Describes the time dimension of the data collection.	A		da|ra controlled list: 1: Longitudinal 2: Longitudinal.CohortEventBased 3: Longitudinal.TrendRepeatedCrossSection 4: Longitudinal.Panel 5: Longitudinal.Panel.Continuous 6: Longitudinal: Panel: Interval 7: Time Series 8: TimeSeries: Continuous 9: TimeSeries: Discrete 10: Cross-section 11: Cross-section ad-hoc follow-up 12: Other

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
22.2	Time Dimension (free)	Describes the time dimension of the data collection.	A		Provides the possibility to describe the time dimension if there are no equivalent terms in the controlled vocabulary.
22.3	Frequency	The time frequency at which data is collected at regular intervals.	A		e.g., annually
23	Data Collection	The name of a person/institution responsible for data collection		0-n	The data collection relates to the conduction of data surveys (the data collectors can be identical with the principal investigators).
23.1	Person	The name of a person	C	1	Non-Latin fonts in line with the ALA/LC
23.1.1	First name		C	1	Hans
23.1.2	Middle name		C	0-1	C.
23.1.3	Last name		C	1	Ackermann
23.1.4	Person ID	Unique identifier of the person according to various schemes. May be supplemented by da|ra if not submitted.	C	0-n	e.g., ISNI 0000 1000 0000 1774 (John Smith) ORCID ID: G-1442-2009 (Peter Schwarz)
23.1.4.1	Vocabulary Person ID	The name of the person ID scheme.	A	Req	e.g., Open Researcher and Contributor ID (ORCID http://www.orcid.org), International Standard Name Identifier (ISNI http://www.isni.org)
23.1.4.2	URI Name Authority Record[3]	Persistent identifier of the name of the person ID scheme.	A	0-1	http://d-nb.info/gnd/124825109
23.1.4.3	Affiliation	The affiliation of the data collector.	A	1	e.g., Institute for Market Research
23.1.4.3.1	Affiliation ID	Unique identifier of the affiliation according to various schemes. May be supplemented by da|ra if not submitted.	C	1	e.g., SocioGuide ID 4173

[3] A Name Authority File provides authoritative data for names of persons, organization, etc. Its purpose is the identification of these entities and, through the use of such controlled vocabulary, to provide uniform access to bibliographic resources.

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
23.1.4.3.2	Vocabulary Affiliation ID	The name of the institution ID scheme.	A	1	e.g., sowiport/SocioGuide
23.1.4.3.3	URI Vocabulary Affiliation ID	Persistent identifier of the name of the institution ID scheme	A	1	http://www.gesis.org/sowiport/socioguide.html
23.2	Institution	The name of the data collector	C	1	e.g., Institute for Social Research
23.2.1	Institution ID	Unique Identifier of the institution according to various schemes. May be supplemented by da|ra if not submitted.	C	0-n	e.g., GKD (Gemeinsame Körperschaftsdatei) ID 10158795
23.2.2	Vocabulary of Institution ID	The name of the institution ID scheme.	A	Req	Required if 23.2.2 is applied, e.g., GND, ISNI, etc.
23.2.3	URI Institution Authority Record	Persistent Identifier of the name of the institution ID scheme.	A	0-1	e.g. http://d-nb.info/gnd/1007681-5
24	Collection mode (controlled)	The method used to collect the data.		0-1	da|ra controlled list: 1: Interview 2: Interview: Face-to-face 3: Interview: Telephone 4: Interview: E-mail 5: Interview: CATI 6: Interview: CAPI 7: Self-completed questionnaire 8: Self-completed questionnaire: Paper/pencil 9: Self-completed questionnaire: Web-based 10: Self-completed questionnaire: CASI 11: Self-completed questionnaire: ACASI 12: Coding 13: Transcription 14: Compilation 15: Synthesis 16: Recording 17: Simulation 18: Observation 19: Observation: Field 20: Observation: Laboratory

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
					21: Observation: Participant 22: Experiments 23: Focus Group 24: Other
25	Collection mode (free)	The method used to collect the data		0-1	Possibility to describe the collection mode if there are no appropriate terms in the controlled vocabulary, e.g. data survey without the investigator in charge
26	Data set	Generic term for 26.1 - 26.4		0-n	
26.1	Type of Units	The type of units describes the entity being analysed or observed in the study.	A	Req	Required, if 26.2 is applied; da|ra controlled list: 1: Individual 2: Organization 3: Family 4: Family: Household family 5: Household 6: Housing Unit 7: Event/Process 8: Geographic Unit 9: Time Unit 10: Text Unit 11: Group 12: Object 13: Other
26.2	Number of Units	The number of units being analysed or observed in the study.	A		e.g., 3759
26.3	Number of Variables	The number of variables used in the study	A		e.g., 210
26.4	Type of Data	The type of collected data	A		e.g. aggregated data, clinical data
27	Technical description of the data	Generic term for 30.1-30.5		0-n	
27.1	File Name	The name of the file to which the respective fingerprint refers (if necessary indicating the name of the directory).	A		An identificated object can contain multiple files with related separated fingerprints. Allocation via file name: e.g. brpr91os99_pd.txt
27.2	Data format	The technical format of the data file.	A		e.g., STATA, SPSS, SAS, CSV, TXT
27.3	Size	Size information on the data file.	A		e.g., 5 MB
27.4	Data Fingerprint	The checksum which confirms the authenticity of the file.	A		e.g., 00994e0caa89bc6bf394c12d9a2e72e6

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
27.5	Method Fingerprint	Technical procedure generating data fingerprint (if necessary indicating the name of the directory).	A		e.g., MD5
28	Notes	References to further relevant information on a study.		0-1	e.g., further studies, number of cases per geographic unit, etc.
30	Availability (free)	Additional specification of data availability		0-1	e.g.,"Data usage is subject to written data privacy agreement."
31	Rights	Any rights information for the study.		0-1	e.g., Copyright
32	Relation	Identifiers of related resources.		0-n	e.g., urn:nbn:de:bsz:21-opus-2971
32.1	Kind of Relation	The relationship of the study being registered and the related resource.	A	Req	Required if 32 is applied, da|ra controlled list: 1: IsCitedBy 2: Cites 3: IsSupplementTo 4: IsSupplementedBy 5: IsContinuedBy 6: Continues 7: IsPreviousVersionOf 8: IsPartOf 9: HasPart 10: IsReferencedBy 11: References 12: IsDocumentedBy 13: Documents 14: isCompiledBy 15: Compiles 16: IsVariantFormOf 17: IsOriginalFormOf
32.2	Identifier Type	The type of the related identifier.	A	Req	required, if 32.1 is applied, da|ra controlled List: ARK|DOI|EAN13|EISSN|Handle|ISBN|ISSN|ISTC|LISSN|LSID|PURL|UPC|URL|URN
33	Publications	Scientific publications relating to the registered study in terms of content.		0-n	
33.1	Structured recording of publications	Structured recording of publications relating to the registered study in terms of content.		0-n	
33.1.1	Author		C	0-n	Either the author or the editor name has to be submitted.
33.1.1.1	First Name				Peter
33.1.1.2	Middle Name				Karl
33.1.1.3	Last Name				Wellenberg

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
33.1.2	Editor	The name of an institution or a person.	C	0-n	Either the author or the editor name has to be submitted.
33.1.3	Title	The title of the publication.	C	1	East Germans and West Germans in the mirror of three questionnaire tests
33.1.4	Year	The year of publication.	C	0-1	2004
33.1.5	Publisher	The name of the publisher.	C	0-1	Springer
33.1.6	Publication Place	The place of publication.	C	0-n	Heidelberg, Berlin
33.1.7	Journal/Series		C	0-1	The European Journal of Social Science Research
33.1.8	Volume		C	0-1	3
33.1.9	Issue		C	0-1	
33.1.10	Anthology		C	0-1	
33.1.11	Page	The number of pages.	C	0-1	258 p. or pp.135-167
33.1.12	ISBN	International Standard Book Number	C	0-1	978-3-8329-0905-5
33.1.13	ISSN	International Standard Serial Number	C	0-1	
33.1.14	Publication Type	The type of the publication.	C	0-1	da|ra controlled list: 1: Working Paper 2: Article 3: Report 4: Book/Monograph 5: Manuscript 6: Reference book 7. Review 8. Series 9: Journal 10. Magazine
33.1.15	sowiport ID[4]	The internal sowiport identifier used to import and display literature metadata from SOLIS, SSOAR, etc.	C	0-1	The internal element in da|ra, repeatable in line with the complex 33
33.1.16	PID	Further Persistent Identifiers related to the publication	A	Opt	e.g., DOI, URN, Handle, PURL
33.1.16.1	PID Type	The type of a further Persistent Identifier	A	Req	Required, if 33.1.16 is applied, da|ra controlled list: ARK|DOI|EAN13|EISSN|Handle|ISBN|ISSN|ISTC|LISSN|LSID|PUR

[4] May be supplemented by da|ra if applicable.

Nr.	da|ra Property	Definition	A/C	Occ	Annotations, examples, valid values
					L|UPC|URL|URN
33.2	Unstructured recording of publications	Unstructured bibliographic information		0-n	
33.2.1	PID	Further Persistent Identifiers related to publications	A	Opt	e.g., DOI, URN, Handle, PURL
33.2.1.1	PID Type	The type of a further Persistent Identifier	A	Req	Required, if 33.2.1 is applied, da|ra controlled list: see 33.1.16.1

3 XML Examples

3.1 XML Example File (Mandatory Properties)

```
<?xml version="1.0" encoding="UTF-8"?>
<study xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:noNamespaceSchemaLocation=" dara_v2.2.1_de_en_19112012.xsd">
   <resourceType>2</resourceType>
      <studyIdentifier>
      <identifier>ZA2345</identifier>
      <currentVersion>1.0</currentVersion>
   </studyIdentifier>
   <titles>
      <title>
         <language>de</language>
         <titleName>European Integration Survey 1992</titleName>
      </title>
      <title>
         <language>en</language>
         <titleName>European Integration Survey 1992</titleName>
      </title>
   </titles>
   <principalInvestigators>
      <principalInvestigator>
         <person>
            <firstName>Nilson</firstName>
            <middleName></middleName>
            <lastName>Norge</lastName>
         </person>
      </principalInvestigator>
      <principalInvestigator>
         <institution>
            <institutionName>
               <language>de</language>
               <name>EMOR, Estland</name>
            </institutionName>
            <institutionName>
               <language>en</language>
               <name>EMOR, Estland</name>
            </institutionName>
         </institution>
      </principalInvestigator>
   </principalInvestigators>
   <dataURLs>
<dataURL>http://info1.gesis.org/dbksearch13/sdesc2.asp?no=2345&amp;amp;db=e&amp;amp;doi=10.4232/1.2345</da
taURL>
   </dataURLs>
   <doiProposal>10.4232/1.</doiProposal>
   <publicationDate>
      <date>1993</date>
   </publicationDate>
      <availability>
      <availabilityControlled>3</availabilityControlled>
   </availability>
</study>
```

3.2 XML Example File (Mandatory and Optional Properties)

```
<?xml version="1.0" encoding="UTF-8"?>
<study xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:noNamespaceSchemaLocation=" dara_v2.2.1_de_en_19112012.xsd">
   <resourceType>2</resourceType>
      <studyIdentifier>
      <identifier>RA3200</identifier>
      <currentVersion>1.0</currentVersion>
   </studyIdentifier>
   <titles>
      <title>
         <language>de</language>
         <titleName>Polish General Social Survey 1992-1997 </titleName>
      </title>
      <title>
         <language>en</language>
         <titleName>Polish General Social Survey 1992-1997 </titleName>
      </title>
   </titles>
   <otherTitles>
      <otherTitle>
         <language>de</language>
         <titleName>Polski Generalny Sondaz Spoleczny 1992-1997</titleName>
         <titleType>1</titleType>
      </otherTitle>
      <otherTitle>
         <language>en</language>
         <titleName>Polski Generalny Sondaz Spoleczny 1992-1997</titleName>
         <titleType>1</titleType>
      </otherTitle>
   </otherTitles>
      <principalInvestigators>
      <principalInvestigator>
         <person>
            <firstName>Bogdan</firstName>
            <middleName>Piotr</middleName>
            <lastName>Cichomski</lastName>
            <personIDs>
               <personID>
                  <identifier>B-1704-2012 </identifier>
                  <identifierSchema>ResearcherID</identifierSchema>
          <schemaURI>http://www.researcherid.com/ViewProfileSearch.action?criteria.lastName=Cichomski/</
schemaURI>
                  </personID>
            </personIDs>
            <affiliation>
                  <affiliationName>
                     <language>de</language>
                     <name>Institut für Sozialforschung, Warschauer Universität, Polen</name>
                  </affiliationName>
                  <affiliationName>
                     <language>en</language>
                     <name>Institute for Social Studies, University of Warsaw, Poland</name>
                  </affiliationName>
                        </affiliation>
         </person>
      </principalInvestigator>
      <principalInvestigator>
         <institution>
            <institutionName>
```

```
            <language>de</language>
            <name>Polnische Akademie der Wissenschaften</name>
          </institutionName>
          <institutionName>
            <language>en</language>
            <name>Polish Academy of Sciences</name>
          </institutionName>
          <institutionIDs>
            <institutionID>
              <identifier>SG5607</identifier>
              <identifierSchema>GESIS SocioGuide</identifierSchema>
              <schemaURI>http://www.gesis.org/sowiport/socioguide.html</schemaURI>
            </institutionID>
          </institutionIDs>
        </institution>
      </principalInvestigator>
    </principalInvestigators>
    <dataURLs>
      <dataURL>https://info1.basis.org/raedit/SDESC2.ASP?no=3200</dataURL>
    </dataURLs>
    <doiProposal>10.4232/1.3200 </doiProposal>
    <publicationDate>
      <date>2000-07-07</date>
    </publicationDate>
    <availability>
      <availabilityControlled>2</availabilityControlled>
      <availabilityFree>
        <language>de</language>
        <availabilityText>Daten sind für die akademische Forschung und Lehre nur nach schriftlicher
Genehmigung des Datengebers zugänglich.</availabilityText>
      </availabilityFree>
      <availabilityFree>
        <language>en</language>
        <availabilityText>Data and documents are released for academic research and teaching after the data
depositor's written authorization only .</availabilityText>
      </availabilityFree>
    </availability>
    <rights>
      <right>
        <language>de</language>
        <rightsText>Alle Rechte beim Autor</rightsText>
      </right>
      <right>
        <language>en</language>
        <rightsText>Author's authorization</rightsText>
      </right>
    </rights>
    <studyLanguage>pol</studyLanguage>
    <alternativeIDs>
      <alternativeID>
        <identifier>2-34-56</identifier>
        <type>ISSN</type>
    </alternativeID>
    </alternativeIDs>
    <classifications>
      <classification>
        <classificationExternal>
          <language>de</language>
          <schema>POLD Schema</schema>
          <terms>
            <term>Europäische Politik</term>
            <term>politische Bildung</term>
```

```
            <term>Wahlverhalten</term>
          </terms>
        </classificationExternal>
      </classification>
      <classification>
        <classificationExternal>
          <language>en</language>
          <schema>POLD Schema</schema>
          <terms>
            <term>European policy</term>
            <term>political education</term>
            <term>electoral behaviour</term>
            </terms>
        </classificationExternal>
      </classification>
    </classifications>
     <controlledKeywords>
      <controlledKeyword>
      <schema>TheSozWiss</schema>
      <identifiers>
      <identifier>10035305</identifier>
      <identifier>10034868</identifier>
      <identifier>10054725</identifier>
      <identifier>10038441</identifier>
      <identifier>10036549</identifier>
          </identifiers>
      </controlledKeyword>
      </controlledKeywords>
    <freeKeywords>
      <freeKeyword>
        <language>de</language>
        <keywords>
          <keyword>Politische Einstellungen und Verhaltensweisen</keyword>
          <keyword>Arbeit und Betrieb</keyword>
          <keyword>Beruf</keyword>
          <keyword>Einkommen</keyword>
          <keyword>Gesellschaft und Kultur</keyword>
          <keyword>Familie</keyword>
          <keyword>Erziehung und Schulwesen</keyword>
          <keyword>Religion und Weltanschauung</keyword>
          <keyword>Freizeit</keyword>
        </keywords>
      </freeKeyword>
      <freeKeyword>
        <language>en</language>
        <keywords>
          <keyword>Political Attitudes and Behavior</keyword>
          <keyword>Work and Industry</keyword>
          <keyword>Occupation</keyword>
          <keyword>Profession</keyword>
          <keyword>Income</keyword>
          <keyword>Society</keyword>
          <keyword>Culture</keyword>
          <keyword>Family</keyword>
          <keyword>Education</keyword>
          <keyword>School Systems</keyword>
          <keyword>Leisure</keyword>
        </keywords>
      </freeKeyword>
    </freeKeywords>
    <descriptions>
```

```
    <description>
      <language>de</language>
      <freetext>Drogenkonsum: Motive, situative Bedingungen, Einflussfaktoren</freetext>
      <type>2</type>
    </description>
    <description>
      <language>en</language>
      <freetext>use of drugs: motives, situative conditions, influence factors</freetext>
      <type>2</type>
    </description>
  </descriptions>
  <geographicCoverages>
     <geographicCoverage>
      <language>de</language>
      <geographicCoverageControlled>PL</geographicCoverageControlled>
      <freetext>Großstädte</freetext>
    </geographicCoverage>
    <geographicCoverage>
      <language>en</language>
      <geographicCoverageControlled>PL</geographicCoverageControlled>
      <freetext>big cities</freetext>
    </geographicCoverage>
  </geographicCoverages>
    <universes>
    <universe>
      <language>de</language>
      <sampled>Haushaltsmitglieder im Alter von 18 Jahren und darüber</sampled>
    </universe>
    <universe>
      <language>en</language>
      <sampled>Adult household members 18 years old and older</sampled>
    </universe>
  </universes>
  <samplings>
    <sampling>
      <language>de</language>
      <method>Mehrstufige geschichtete Zufallsauswahl</method>
    </sampling>
    <sampling>
      <language>en</language>
      <method>Multi-stage stratified random sample</method>
    </sampling>
  </samplings>
  <temporalCoverages>
    <temporalCoverage>
      <language>de</language>
      <temporalCoverageFree>Erste Welle </temporalCoverageFree>
      <temporalCoverageFormal>
        <startDate>
          <monthyear>2006-09</monthyear>
        </startDate>
        <endDate>
          <year>2007</year>
        </endDate>
      </temporalCoverageFormal>
    </temporalCoverage>
    <temporalCoverage>
      <language>en</language>
      <temporalCoverageFree>First wave</temporalCoverageFree>
      <temporalCoverageFormal>
        <startDate>
          <date>2006-05-04</date>
```

```
            </startDate>
            <endDate>
              <date>2007-01-01</date>
            </endDate>
          </temporalCoverageFormal>
        </temporalCoverage>
      </temporalCoverages>
      <timeDimensions>
      <timeDimension>
        <language>de</language>
        <timeDimensionControlled>6</timeDimensionControlled>
        <timeDimensionFree>jedes vierte Jahr</timeDimensionFree>
        <frequency>monatlich</frequency>
      </timeDimension>
      <timeDimension>
        <language>en</language>
        <timeDimensionControlled>6</timeDimensionControlled>
        <timeDimensionFree>every four years</timeDimensionFree>
        <frequency>monthly</frequency>
      </timeDimension>
        </timeDimensions>
      <dataCollectors>
        <dataCollector>
          <person>
            <firstName>Anna</firstName>
            <middleName>M.</middleName>
            <lastName>Narloch</lastName>
            <personIDs>
              <personID>
                <identifier>C-9327-2012</identifier>
                <identifierSchema>ResearcherID</identifierSchema>
                <schemaURI> http://www.researcherid.com/rid/C-9327-2012</schemaURI>
              </personID>
            </personIDs>
            <affiliation>
             <affiliationName>
                    <language>de</language>
                    <name>West Pomeranian University of Technology in Szczecin</name>
                </affiliationName>
                <affiliationName>
                  <language>en</language>
                  <name>West Pomeranian University of Technology in Szczecin</name>
                </affiliationName>
            </affiliation>
          </person>
        </dataCollector>
        <dataCollector>
          <institution>
            <institutionName>
              <language>de</language>
              <name>Center of Field Research (ORBS) at the Institute of Philosophy and
Sociology, Polish Academy of Science</name>
            </institutionName>
            <institutionName>
              <language>en</language>
              <name>Center of Field Research (ORBS) at the Institute of Philosophy and
Sociology, Polish Academy of Science</name>
            </institutionName>
            <institutionIDs>
              <institutionID>
                <identifier>150820520</identifier>
                <identifierSchema>VIAF</identifierSchema>
```

```
            <schemaURI>http://viaf.org/viaf/150820520</schemaURI>
          </institutionID>
        </institutionIDs>
      </institution>
    </dataCollector>
  </dataCollectors>
  <collectionModesFree>
    <collectionModeFree>
      <language>de</language>
      <modeFree>Mündliche Befragung </modeFree>
    </collectionModeFree>
    <collectionModeFree>
      <language>en</language>
      <modeFree>face-to-face interview</modeFree>
    </collectionModeFree>
  </collectionModesFree>
  <collectionModeControlled>12</collectionModeControlled>
  <dataSets>
    <dataSet>
      <language>de</language>
      <unitType>7</unitType>
      <numberUnits>234</numberUnits>
      <numberVariables>12</numberVariables>
      <dataType>1</dataType>
      <files>
        <file>
          <name>Survey</name>
          <format>SPSS</format>
          <size>25MB</size>
          <fingerprint>b9f16f8a6fc305ec957d87bf1428557a</fingerprint>
          <fingerprintMethod>MD5</fingerprintMethod>
        </file>
      </files>
    </dataSet>
  </dataSets>
  <notes>
    <note>
      <language>de</language>
      <text>Zum Datensatz liegt eine englischsprachige Dokumentation vor.</text>
    </note>
    <note>
      <language>en</language>
      <text>The documentation of the dataset is available in English.</text>
    </note>
  </notes>
  <relations>
    <relation>
      <identifier>2 35 560</identifier>
      <identifierType>ISBN</identifierType>
      <relationType>2</relationType>
    </relation>
  </relations>
  <publications>
    <publication>
      <structuredPublication>
        <doctype>6</doctype>
        <authorsEditors>
          <authorEditor>
            <author>
              <firstName>Borgan</firstName>
              <middleName>M.</middleName>
              <lastName>Cichomski</lastName>
```

```
                    </author>
                  </authorEditor>
                  <authorEditor>
                    <editor>
                      <name>Schmidt, Peter</name>
                    </editor>
                  </authorEditor>
                </authorsEditors>
                <title>Polish Value System</title>
                <year>2006</year>
                <publisher>Verlag Wissenschaft</publisher>
                <places>Berlin</places>
                <journal>Politik und Wissenschaft</journal>
                <volume>2</volume>
                <issue>13</issue>
                <anthology>1</anthology>
                <pages>23-29</pages>
                <ISSNs>
                  <ISSN>2-34-56</ISSN>
                </ISSNs>
                <sowiportID>sowiportID0</sowiportID>
                <PIDs>
                  <PID>
                    <ID>ID2</ID>
                    <pidType>ARK</pidType>
                    </PID>
                </PIDs>
              </structuredPublication>
            </publication>
            <publication>
              <unstructuredPublication>
                <freetext>Polish General Social Surveys. Cumulative Codebook 1992-1997.
                Institute for Social Studies, University of Warsaw. March 1999. </freetext>
                <PIDs>
                  <PID>
                    <ID>ID4</ID>
                    <pidType>ARK</pidType>
                    </PID>
                  <PID>
                    <ID>ID5</ID>
                    <pidType>ARK</pidType>
                   </PID>
                </PIDs>
              </unstructuredPublication>
              </publication>
        </publications>
      </study>
```

4 XSD Schema

The XSD Schema and the present documentation will always have the same version number.

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- da|ra Metadatenschema v2.2.1 - www.da-ra.de -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified">
   <!--  *0. Object Resource Type-->
   <xs:element name="resourceType">
      <xs:annotation>
         <xs:documentation xml:lang="de">Genereller Typ der Ressource:
            1. Sammlung 2: Datensatz 3. Graue Literatur 4. Film 5. Image 6. Text
        </xs:documentation>
         <xs:documentation xml:lang="en">The general type of a resource:
            1. Collection 2: Dataset 3. Grey Literature 4. Film 5. Image 6. Text
         </xs:documentation>
      </xs:annotation>
      <xs:simpleType>
         <xs:restriction base="xs:integer">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="11"/>
         </xs:restriction>
      </xs:simpleType>
   </xs:element>

   <!-- *1.title -->
   <xs:element name="titles">
      <xs:complexType>
         <xs:sequence>
            <xs:element ref="title" minOccurs="1" maxOccurs="1"/>
         </xs:sequence>
      </xs:complexType>
      <xs:unique name="titleLanguage">
         <xs:selector xpath="title/language"/>
         <xs:field xpath="."/>
      </xs:unique>
   </xs:element>
   <xs:element name="title">
      <xs:annotation>
         <xs:documentation xml:lang="de">Titel des digitalen Objekts.</xs:documentation>
         <xs:documentation xml:lang="en">Title of the digital object.</xs:documentation>
      </xs:annotation>
      <xs:complexType mixed="false">
         <xs:all maxOccurs="1" minOccurs="1">
            <xs:element ref="language" minOccurs="1" maxOccurs="1"/>
            <xs:element name="titleName" minOccurs="1" maxOccurs="1">
               <xs:simpleType>
                  <xs:restriction base="nonemptycontentStringType"/>
               </xs:simpleType>
            </xs:element>
         </xs:all>
      </xs:complexType>
   </xs:element>

   <!-- 2.other titles-->
   <xs:element name="otherTitles">
      <xs:complexType>
         <xs:sequence>
            <xs:element ref="otherTitle" minOccurs="1" maxOccurs="unbounded"/>
```

```
            </xs:sequence>
         </xs:complexType>
      </xs:element>
      <xs:element name="otherTitle">
         <xs:annotation>
            <xs:documentation xml:lang="de">Zusätzliche Titel.</xs:documentation>
            <xs:documentation xml:lang="en">Further titles.</xs:documentation>
         </xs:annotation>
         <xs:complexType mixed="false">
            <xs:all maxOccurs="1" minOccurs="1">
               <xs:element ref="language"/>
               <xs:element minOccurs="1" maxOccurs="1" name="titleName">
                  <xs:simpleType>
                     <xs:restriction base="nonemptycontentStringType"/>
                  </xs:simpleType>
               </xs:element>
               <xs:element name="titleType">
                  <xs:annotation>
                     <xs:documentation xml:lang="de">Typ des zusätzlichen Titels:
1: Alternativer Titel
2: Übersetzter Titel
3: Untertitel
4: Originaltitel
                     </xs:documentation>
                     <xs:documentation xml:lang="en">The type of other titles:
1: Alternative Title
2: Translated Title
3: Subtitle
4: Original Title
                     </xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                     <xs:restriction base="xs:integer">
                        <xs:minInclusive value="1"/>
                        <xs:maxInclusive value="4"/>
                     </xs:restriction>
                  </xs:simpleType>
               </xs:element>
            </xs:all>
         </xs:complexType>
      </xs:element>

      <!-- *4.principal investigators -->
      <xs:element name="principalInvestigators">
         <xs:complexType mixed="false">
            <xs:sequence>
               <xs:element maxOccurs="unbounded" ref="principalInvestigator"/>
            </xs:sequence>
         </xs:complexType>
      </xs:element>
      <xs:element name="principalInvestigator">
         <xs:annotation>
            <xs:documentation xml:lang="de">Name einer Person und/oder einer Institution (Primärforscher).
               </xs:documentation>
            <xs:documentation xml:lang="en">Name(s) of principal investigator(s). May be a
corporate/institutional or a personal name.</xs:documentation>
         </xs:annotation>
         <xs:complexType mixed="false">
            <xs:choice>
               <xs:element ref="person" maxOccurs="1" minOccurs="1"> </xs:element>
               <xs:element maxOccurs="1" minOccurs="1" ref="institution"> </xs:element>
```

```
        </xs:choice>
      </xs:complexType>
   </xs:element>

   <!-- *4.1 person(for data collectors too) -->
   <xs:element name="person">
      <xs:annotation>
         <xs:documentation xml:lang="de">Name einer Person, die die Studie durchgeführt (Primärforscher)
oder die die Daten erhoben hat (Datenerhebung).</xs:documentation>
         <xs:documentation xml:lang="en">The name of the principal investigator or the data
collector.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence maxOccurs="1" minOccurs="1">
            <xs:element minOccurs="1" maxOccurs="1" name="firstName">
               <xs:simpleType>
                  <xs:restriction base="nonemptycontentStringType"/>
               </xs:simpleType>
            </xs:element>
            <xs:element name="middleName" type="xs:string" minOccurs="0"/>
            <xs:element name="lastName">
               <xs:simpleType>
                  <xs:restriction base="nonemptycontentStringType"/>
               </xs:simpleType>
            </xs:element>
            <xs:element minOccurs="0" name="personIDs">
               <xs:complexType>
                  <xs:sequence>
                     <xs:element maxOccurs="unbounded" name="personID">
                        <xs:complexType>
                           <xs:group ref="ID"/>
                        </xs:complexType>
                     </xs:element>
                  </xs:sequence>
               </xs:complexType>
            </xs:element>
            <xs:element minOccurs="0" ref="affiliation"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:element name="affiliation">
      <xs:annotation>
         <xs:documentation xml:lang="de">Zugehörigkeit einer Person, die die Studie durchgeführt
(Primärforscher) oder die die Daten erhoben hat (Datenerhebung) zu einer Institution.</xs:documentation>
         <xs:documentation xml:lang="en">The affiliation of the principal investigator or the data
collector.</xs:documentation>
      </xs:annotation>
      <xs:complexType mixed="false">
         <xs:sequence maxOccurs="1" minOccurs="1">
            <xs:element maxOccurs="2" name="affiliationName">
               <xs:complexType>
                  <xs:all maxOccurs="1">
                     <xs:element ref="language"/>
                     <xs:element name="name" minOccurs="1" maxOccurs="1">
                        <xs:simpleType>
                           <xs:restriction base="nonemptycontentStringType"/>
                        </xs:simpleType>
                     </xs:element>
                  </xs:all>
               </xs:complexType>
            </xs:element>
```

```
            <xs:element name="affiliationIDs" minOccurs="0">
               <xs:complexType>
                  <xs:sequence>
                     <xs:element maxOccurs="unbounded" name="affiliationID">
                        <xs:complexType>
                           <xs:group ref="ID"/>
                        </xs:complexType>
                     </xs:element>
                  </xs:sequence>
               </xs:complexType>
            </xs:element>
         </xs:sequence>
      </xs:complexType>
      <xs:unique name="affiliationLanguage">
         <xs:selector xpath="affiliationName/language"/>
         <xs:field xpath="."/>
      </xs:unique>
   </xs:element>

   <!-- *4.2 institution (for data collectors too) -->
   <xs:element name="institution">
      <xs:annotation>
         <xs:documentation xml:lang="de">Name einer Institution, die die Studie durchgeführt
(Primärforscher) oder die die Daten erhoben hat (Datenerhebung).</xs:documentation>
         <xs:documentation xml:lang="en">The institutional name of the principal investigator or of the data
collector.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence maxOccurs="1" minOccurs="1">
            <xs:element name="institutionName" maxOccurs="2">
               <xs:complexType>
                  <xs:all>
                     <xs:element ref="language"/>
                     <xs:element minOccurs="1" maxOccurs="1" name="name">
                        <xs:simpleType>
                           <xs:restriction base="nonemptycontentStringType"/>
                        </xs:simpleType>
                     </xs:element>
                  </xs:all>
               </xs:complexType>
            </xs:element>
            <xs:element name="institutionIDs" minOccurs="0">
               <xs:complexType>
                  <xs:sequence>
                     <xs:element maxOccurs="unbounded" name="institutionID">
                        <xs:complexType>
                           <xs:group ref="ID"/>
                        </xs:complexType>
                     </xs:element>
                  </xs:sequence>
               </xs:complexType>
            </xs:element>
         </xs:sequence>
      </xs:complexType>
      <xs:unique name="institutionLanguage">
         <xs:selector xpath="institutionName/language"/>
         <xs:field xpath="."/>
      </xs:unique>
   </xs:element>

   <!-- *9.doi proposal -->
   <xs:element name="doiProposal" type="doiType">
```

```
      <xs:annotation>
         <xs:documentation xml:lang="de">Vorschlag eines DOI Namen, wenn vom Publikationsagenten kein
automatisch generierter DOI-Name gewünscht wird.</xs:documentation>
         <xs:documentation xml:lang="en">The Publication Agent may suggest a DOI-name, if an
automatically generated DOI name is not required.</xs:documentation>
      </xs:annotation>
   </xs:element>
   <!-- *8.url -->
   <xs:element name="dataURLs">
      <xs:annotation>
         <xs:documentation xml:lang="de">URL, zu der DOI aufgelöst wird (Landing Page).Falls mehrere
angegeben, wird die DOI mit dem ersten Element in der Liste registriert.</xs:documentation>
         <xs:documentation xml:lang="en">Each DOI name has an URL to which it resolves.Where several DOIs
are indicated, the first DOI will be registered.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="unbounded" name="dataURL" type="xs:anyURI"/>
         </xs:sequence>
      </xs:complexType>
      <xs:unique name="dataURL">
         <xs:selector xpath="dataURL"/>
         <xs:field xpath="."/>
      </xs:unique>
   </xs:element>

   <!-- 11. study language -->
   <xs:element name="studyLanguage">
      <xs:annotation>
         <xs:documentation xml:lang="de">Sprache, in der die Studie beim Publikationsagenten
vorliegt.</xs:documentation>
         <xs:documentation xml:lang="en">The language in which the study is available at the Publication
Agent.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
         <xs:restriction base="xs:string">
            <xs:pattern

value="bel|bos|cze|dut|eng|est|fin|fre|ger|hrv|hun|ita|lav|lit|nor|pol|rum|rus|slo|slv|spa|srp|swe|ukr"
               />
         </xs:restriction>
      </xs:simpleType>
   </xs:element>
   <!-- *.metadata language -->
   <xs:element name="language">
      <xs:annotation>
         <xs:documentation xml:lang="de">Sprache der Metadaten einer Studie (Deutsch und/oder Englisch).
</xs:documentation>
         <xs:documentation xml:lang="en">The language of the study metadata.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
         <xs:restriction base="xs:string">
            <xs:pattern value="de|en"/>
         </xs:restriction>
      </xs:simpleType>
   </xs:element>

   <!-- *12.publication date -->
   <xs:element name="publicationDate">
      <xs:annotation>
```

```
        <xs:documentation xml:lang="de">Datum der Veröffentlichung des Datensatzes/Studie beim
Publikationsagenten.</xs:documentation>
        <xs:documentation xml:lang="en">The publication date of the study by the Publication
Agent.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:choice>
          <xs:element name="date" type="xs:date"> </xs:element>
          <xs:element name="monthyear" type="xs:gYearMonth"> </xs:element>
          <xs:element name="year" type="xs:gYear"/>
        </xs:choice>
      </xs:complexType>
    </xs:element>

    <!-- 13. alternative identifier -->
    <xs:element name="alternativeIDs">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="alternativeID" maxOccurs="unbounded" minOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="alternativeID">
      <xs:annotation>
        <xs:documentation xml:lang="de">Identifier aus dem Informationssystem des Publikationsagenten,
aber auch andere persistenter  Identifier (z.B. Handle aus Dataverse).</xs:documentation>
        <xs:documentation xml:lang="en">An identifier other than the primary identifier of the registered
study. This may be an identifier from the information system of the Publication Agent as well as from other
information systems.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="identifier">
            <xs:simpleType>
              <xs:restriction base="nonemptycontentStringType"/>
            </xs:simpleType>
          </xs:element>
          <xs:element name="type">
            <xs:simpleType>
              <xs:restriction base="nonemptycontentStringType"/>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <!-- 14. classification -->
    <xs:element name="classification">
      <xs:annotation>
        <xs:documentation xml:lang="de">Klassenbezeichnung aus einer disziplinären Klassifikation (z.B.
Soziologie).</xs:documentation>
        <xs:documentation xml:lang="en">Subject class (e.g. Sociology).</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:choice maxOccurs="1" minOccurs="1">
          <xs:element name="classificationInternal">
            <xs:annotation>
              <xs:documentation xml:lang="de">Klassifikation aus GESIS-Klassifikation, ZA-Klassifikation
und JEL.</xs:documentation>
              <xs:documentation xml:lang="en">Subject class from GESIS-Classification, ZA-Classification
and JEL (Journal of Economic Literature)-Classification.</xs:documentation>
```

```
            </xs:annotation>
            <xs:complexType>
               <xs:all>
                  <xs:element name="schema">
                     <xs:simpleType>
                        <xs:restriction base="xs:string">
                           <xs:pattern value="GESIS|JEL|ZA"/>
                        </xs:restriction>
                     </xs:simpleType>
                  </xs:element>
                  <xs:element minOccurs="1" maxOccurs="1" name="identifiers">
                     <xs:complexType>
                        <xs:sequence maxOccurs="1">
                           <xs:element name="identifier" maxOccurs="unbounded">
                              <xs:simpleType>
                                 <xs:restriction base="nonemptycontentStringType"/>
                              </xs:simpleType>
                           </xs:element>
                        </xs:sequence>
                     </xs:complexType>
                     <xs:unique name="classificationIdentifier">
                        <xs:selector xpath="identifier"/>
                        <xs:field xpath="."/>
                     </xs:unique>
                  </xs:element>
               </xs:all>
            </xs:complexType>
         </xs:element>
         <xs:element maxOccurs="1" name="classificationExternal">
            <xs:annotation>
               <xs:documentation xml:lang="de">Klassifikation des Publikationsagenten</xs:documentation>
               <xs:documentation xml:lang="en">Subject class (e.g. Sociology) from the classification system
of the Publishing Agent.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
               <xs:all>
                  <xs:element ref="language"/>
                  <xs:element name="schema">
                     <xs:simpleType>
                        <xs:restriction base="nonemptycontentStringType"/>
                     </xs:simpleType>
                  </xs:element>
                  <xs:element minOccurs="1" maxOccurs="1" name="terms">
                     <xs:complexType>
                        <xs:sequence maxOccurs="1">
                           <xs:element name="term" maxOccurs="unbounded">
                              <xs:simpleType>
                                 <xs:restriction base="nonemptycontentStringType"/>
                              </xs:simpleType>
                           </xs:element>
                        </xs:sequence>
                     </xs:complexType>
                     <xs:unique name="classificationTerm">
                        <xs:selector xpath="term"/>
                        <xs:field xpath="."/>
                     </xs:unique>
                  </xs:element>
               </xs:all>
            </xs:complexType>
         </xs:element>
      </xs:choice>
   </xs:complexType>
```

```
</xs:element>
<xs:element name="classifications">
   <xs:complexType>
      <xs:sequence>
         <xs:element ref="classification" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
   </xs:complexType>
</xs:element>

<!-- 15. keywords controlled -->
<xs:element name="controlledKeyword">
   <xs:annotation>
      <xs:documentation xml:lang="de">Schlagwörter aus Thesauri oder kontrollierten Schlagwortlisten, die
den Inhalt der Studie näher beschreiben. da|ra bietet zur Unterstützung derzeit zwei Thesauri an. Thesauri
und Schlagwortlisten der Publikationsagenten werden im Feld Schlagwörter (frei)
angegeben.</xs:documentation>
      <xs:documentation xml:lang="en">Controlled keywords (Thesauri or controlled vocabulary lists), that
describe the study in detail in terms of content. Support is given in the form of two Thesauri. Keywords of the
Publication Agent are to indicate in the field Keywords free.</xs:documentation>
   </xs:annotation>
   <xs:complexType>
      <xs:sequence maxOccurs="1" minOccurs="1">
         <xs:element name="schema">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:pattern value="TheSozWiss|STW"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element minOccurs="1" maxOccurs="1" name="identifiers">
            <xs:complexType>
               <xs:sequence maxOccurs="unbounded">
                  <xs:element name="identifier" maxOccurs="unbounded">
                     <xs:simpleType>
                        <xs:restriction base="nonemptycontentStringType"/>
                     </xs:simpleType>
                  </xs:element>
               </xs:sequence>
            </xs:complexType>
            <xs:unique name="controlledKeywordIdentifier">
               <xs:selector xpath="identifier"/>
               <xs:field xpath="."/>
            </xs:unique>
         </xs:element>
      </xs:sequence>
   </xs:complexType>
</xs:element>
<xs:element name="controlledKeywords">
   <xs:complexType>
      <xs:sequence>
         <xs:element ref="controlledKeyword" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
   </xs:complexType>
</xs:element>
<!-- 16. keywords free-->
<xs:element name="freeKeyword">
   <xs:annotation>
      <xs:documentation xml:lang="de">Freie Schlagwörter, die den Inhalt der Studie näher beschreiben.
Thesauri, die von den Publikationagenten verwendet werden, können in diesem Feld eingetragen
werden.</xs:documentation>
```

```
        <xs:documentation xml:lang="en">Free keywords that describe the study in detail in terms of content.
Keywords of the Publication Agent are to indicate here.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:all maxOccurs="1" minOccurs="1">
          <xs:element ref="language" maxOccurs="1"/>
          <xs:element name="keywords">
            <xs:complexType>
              <xs:sequence>
                <xs:element maxOccurs="unbounded" name="keyword">
                  <xs:simpleType>
                    <xs:restriction base="nonemptycontentStringType"/>
                  </xs:simpleType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="freeKeywords">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="freeKeyword" maxOccurs="2" minOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
      <xs:unique name="freeKeywordsLanguage">
        <xs:selector xpath="freeKeyword/language"/>
        <xs:field xpath="."/>
      </xs:unique>
    </xs:element>

    <!-- 17. description -->
    <xs:element name="descriptions">
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="unbounded" ref="description"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="description">
      <xs:annotation>
        <xs:documentation xml:lang="de">Inhaltliche Beschreibung der Studie.
Wenn Sie in diesem Freitextfeld einen formatierten Text eingeben möchten, sind zur Verwendung folgende
HTML Tags zugelassen: für Absätze: <![CDATA[<p>]]> ; für nummerierte Listen: <![CDATA[<ol>]]> ; für
Aufzählungslisten (unsortierte Liste): <![CDATA[<ul>]]> ; für Listeneintrag innerhalb einer Liste:
<![CDATA[<li>]]>; für logische Auszeichnungen im Text (um einen Text hervorzuheben): <![CDATA[<strong>]]>
; für einen Zeilenumbruch: <![CDATA[<br>]]>. Da wir XHTML-Standard-konform arbeiten, sind alle Tags zu
schließen (also <![CDATA[<p>Text</p>]]>). </xs:documentation>
        <xs:documentation xml:lang="en">Description of the study content.
For formatting of the text the following HTML Tags are allowed: for paragraphs: <![CDATA[<p>]]> ; for
numbered lists: <![CDATA[<ol>]]> ; for enumeration lists (unordered lists): <![CDATA[<ul>]]> ; for a list entry
within a list: ![CDATA[<li>]]>; for logical makeup in the text (to highlight the text): <![CDATA[<strong>]]> ;
for line wrap: <![CDATA[<br>]]>. According to XHTML-Standard, all tags are to close. (also
<![CDATA[<p>Text</p>]]>).</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="language"/>
          <xs:element name="freetext" type="richtext"/>
          <xs:element name="type">
```

```
                <xs:annotation>
                    <xs:documentation xml:lang="de">Typ der Beschreibung:
1: Abstract
2: Information zur Schriftenreihe
3: Inhaltsverzeichnis
4: Sonstiges
                    </xs:documentation>
                    <xs:documentation xml:lang="en">The type of the description:
1: Abstract
2: Series Information
3: Table of Contents
4: Other
                    </xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:integer">
                        <xs:minInclusive value="1"/>
                        <xs:maxInclusive value="4"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

<!-- 18. geographic coverage controlled/free-->
<xs:element name="geographicCoverages">
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" ref="geographicCoverage"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="geographicCoverage">
    <xs:annotation>
        <xs:documentation xml:lang="de">Geografische Einheit, die der Auswahl zugrunde liegt.
</xs:documentation>
        <xs:documentation xml:lang="en">Geographic units on which the study focuses.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="language"/>
            <xs:element name="geographicCoverageControlled" minOccurs="0">
                <xs:simpleType>
                    <xs:restriction base="nonemptycontentStringType"/>
                </xs:simpleType>
            </xs:element>
            <xs:element name="freetext" minOccurs="0" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>

<!-- 19. sampled universe -->
<xs:element name="universes">
    <xs:complexType>
        <xs:sequence maxOccurs="1" minOccurs="1">
            <xs:element maxOccurs="2" ref="universe"/>
        </xs:sequence>
    </xs:complexType>
    <xs:unique name="sampledLanguage">
        <xs:selector xpath="universe/language"/>
```

```
        <xs:field xpath="."/>
      </xs:unique>
    </xs:element>
    <xs:element name="universe">
      <xs:annotation>
        <xs:documentation xml:lang="de">Beschreibung der statistischen Einheiten, die der Auswahl zugrunde liegen.
      Wenn Sie in diesem Freitextfeld einen formatierten Text eingeben möchten, sind zur Verwendung folgende HTML Tags zugelassen: für Absätze: <![CDATA[<p>]]> ; für nummerierte Listen: <![CDATA[<ol>]]> ; für Aufzählungslisten (unsortierte Liste): <![CDATA[<ul>]]> ; für Listeneintrag innerhalb einer Liste: <![CDATA[<li>]]>; für logische Auszeichnungen im Text (um einen Text hervorzuheben): <![CDATA[<strong>]]> ; für einen Zeilenumbruch: <![CDATA[<br>]]>. Da wir XHTML-Standard-konform arbeiten, sind alle Tags zu schließen (also <![CDATA[<p>Text</p>]]>). </xs:documentation>
        <xs:documentation xml:lang="en"> Elements that are the object of the study and to which any analytic results refer.
For formatting of the text the following HTML Tags are allowed: for paragraphs: <![CDATA[<p>]]> ; for numbered lists: <![CDATA[<ol>]]> ; for enumeration lists (unordered lists): <![CDATA[<ul>]]> ; for a list entry within a list: <![CDATA[<li>]]>; for logical makeups in the text (to highlight the text): <![CDATA[<strong>]]> ; for line wraps: <![CDATA[<br>]]>.  According to XHTML-Standard, all tags are to close. (also <![CDATA[<p>Text</p>]]>).</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="language"/>
          <xs:element name="sampled" type="richtext"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <!-- 20. sampling -->
    <xs:element name="samplings">
      <xs:complexType>
        <xs:sequence maxOccurs="1" minOccurs="1">
          <xs:element maxOccurs="2" ref="sampling"/>
        </xs:sequence>
      </xs:complexType>
      <xs:unique name="samplingLanguage">
        <xs:selector xpath="sampling/language"/>
        <xs:field xpath="."/>
      </xs:unique>
    </xs:element>
    <xs:element name="sampling">
      <xs:annotation>
        <xs:documentation xml:lang="de">Benutztes Auswahlverfahren. </xs:documentation>
        <xs:documentation xml:lang="en">The type of sample and sample design used to select the survey respondents to represent the population.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:all maxOccurs="1" minOccurs="1">
          <xs:element ref="language" maxOccurs="1"/>
          <xs:element maxOccurs="1" name="method" type="richtext">
            <xs:annotation>
              <xs:documentation xml:lang="de">Wenn Sie in diesem Freitextfeld einen formatierten Text eingeben möchten, sind zur Verwendung folgende HTML Tags zugelassen: für Absätze: <![CDATA[<p>]]> ; für nummerierte Listen: <![CDATA[<ol>]]> ; für Aufzählungslisten (unsortierte Liste): <![CDATA[<ul>]]> ; für Listeneintrag innerhalb einer Liste: <![CDATA[<li>]]>; für logische Auszeichnungen im Text (um einen Text hervorzuheben): <![CDATA[<strong>]]> ; für einen Zeilenumbruch: <![CDATA[<br>]]>. Da wir XHTML-Standard-konform arbeiten, sind alle Tags zu schließen (also <![CDATA[<p>Text</p>]]>). </xs:documentation>
              <xs:documentation xml:lang="en"> For formatting of the text the following HTML Tags are allowed: for paragraphs: <![CDATA[<p>]]> ; for numbered lists: <![CDATA[<ol>]]> ; for enumeration lists (unordered lists): <![CDATA[<ul>]]> ; for a list entry within a list: <![CDATA[<li>]]>; for logical makeups in the
```

```
text (to highlight the text): <![CDATA[<strong>]]> ; for line wraps: <![CDATA[<br>]]>.  According to XHTML-
Standard, all tags are to close. (also <![CDATA[<p>Text</p>]]>).</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:all>
      </xs:complexType>
    </xs:element>

    <!-- 21. temporal coverage formal/free->start-end Date) -->
    <xs:element name="temporalCoverage">
      <xs:annotation>
        <xs:documentation xml:lang="de">Zeitraum, den die Daten inhaltlich abbilden (bei Umfragen: Feldzeit
der Datenerhebung).
          </xs:documentation>
        <xs:documentation xml:lang="en">The time period to which the data refer (in case of surveys the
time period of field work).</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence maxOccurs="1" minOccurs="1">
          <xs:element ref="language" minOccurs="1" maxOccurs="1"/>
          <xs:element minOccurs="0" maxOccurs="1" name="temporalCoverageFree" type="xs:string"
            > </xs:element>
          <xs:element name="temporalCoverageFormal" minOccurs="0" maxOccurs="1">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="startDate">
                  <xs:complexType>
                    <xs:choice>
                      <xs:element name="date" type="xs:date"> </xs:element>
                      <xs:element name="monthyear" type="xs:gYearMonth"> </xs:element>
                      <xs:element name="year" type="xs:gYear"/>
                    </xs:choice>
                  </xs:complexType>
                </xs:element>
                <xs:element name="endDate" minOccurs="0">
                  <xs:complexType>
                    <xs:choice>
                      <xs:element name="date" type="xs:date"> </xs:element>
                      <xs:element name="monthyear" type="xs:gYearMonth"> </xs:element>
                      <xs:element name="year" type="xs:gYear"/>
                    </xs:choice>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="temporalCoverages">
      <xs:complexType>
        <xs:sequence maxOccurs="1">
          <xs:element maxOccurs="unbounded" ref="temporalCoverage"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <!-- 22 time dimension controlled/free-->
    <xs:element name="timeDimension">
      <xs:complexType>
        <xs:sequence maxOccurs="1" minOccurs="1">
          <xs:element ref="language" minOccurs="1" maxOccurs="1"/>
```

```
            <xs:element name="timeDimensionControlled" minOccurs="0">
               <xs:annotation>
                  <xs:documentation xml:lang="de">Zeitliche Ausdehnung der Datenerhebung;
1: Längsschnitt
2: Längsschnitt Kohorte/Eventbasierte
3: Längsschnitttrend/Wiederholter Querschnitt
4: Längsschnittpanel
5: Kontinuierlicher Längsschnittpanel
6: Längsschnitt: Panel: Intervall
7: Zeitreihe
8: kontinuierliche Zeitreihe
9: diskrete Zeitreihe
10: Querschnitt
11: Querschnitts-Ad-hoc-Follow-up
12: andere                    </xs:documentation>
                  <xs:documentation xml:lang="en"> Describes the time dimension of the data collection:
1: Longitudinal
2: Longitudinal: CohortEventBased
3: Longitudinal: TrendRepeatedCrossSection
4: Longitudinal: Panel
5: Longitudinal: Panel.Continuous
6: Longitudinal: Panel: Interval
7: Time Series
8: Time Series: Continuous
9: Time Series: Discrete
10: Cross-section
11: Cross-section ad-hoc follow-up
12: Other                    </xs:documentation>
               </xs:annotation>
               <xs:simpleType>
                  <xs:restriction base="xs:integer">
                     <xs:minInclusive value="1"/>
                     <xs:maxInclusive value="12"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element maxOccurs="1" name="timeDimensionFree" type="xs:string" minOccurs="0">
               <xs:annotation>
                  <xs:documentation xml:lang="de">Möglichkeit, die zeitliche Dimension zu beschreiben, wenn
in der kontrollierten Liste keine passenden Begriffe gefunden werden.
</xs:documentation>
                  <xs:documentation xml:lang="en">Provides the possibility to indicate the temporal coverage,
if the calendar mode cannot be applied.</xs:documentation>
               </xs:annotation>
            </xs:element>
            <xs:element name="frequency" type="xs:string" minOccurs="0">
               <xs:annotation>
                  <xs:documentation xml:lang="de">Häufigkeit der Datenerhebung.</xs:documentation>
                  <xs:documentation xml:lang="en">The time frequency at which data is collected at regular
intervals.</xs:documentation>
               </xs:annotation>
            </xs:element>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:element name="timeDimensions">
      <xs:complexType>
         <xs:sequence>
            <xs:element ref="timeDimension" minOccurs="1" maxOccurs="unbounded"/>
         </xs:sequence>
      </xs:complexType>
```

```
    </xs:element>

    <!-- 23. data collector -->
    <xs:element name="dataCollectors">
       <xs:complexType>
          <xs:sequence>
             <xs:element maxOccurs="unbounded" minOccurs="1" ref="dataCollector"/>
          </xs:sequence>
       </xs:complexType>
    </xs:element>
    <xs:element name="dataCollector">
       <xs:complexType>
          <xs:choice>
             <xs:element ref="person">
                <xs:annotation>
                   <xs:documentation xml:lang="de">Name der Person, die die Daten erhoben
hat.</xs:documentation>
                   <xs:documentation xml:lang="en">The name of a person responsible for data
collection.</xs:documentation>
                </xs:annotation>
             </xs:element>
             <xs:element ref="institution">
                <xs:annotation>
<xs:documentation xml:lang="de">Name der Instution, die die Daten erhoben hat.</xs:documentation>
                   <xs:documentation xml:lang="en"> The name of an institution responsible for data
collection.</xs:documentation>
                </xs:annotation>
             </xs:element>
          </xs:choice>
       </xs:complexType>
    </xs:element>


    <!-- 24. collection mode controlled-->
    <xs:element name="collectionModeControlled">
       <xs:annotation>
          <xs:documentation xml:lang="de">Typ des Erhebungsverfahrens:
1: Interview)
2: Interview: persönliches
3: Interview: Telefon
4: Interview: E-Mail
5: Interview: CATI
6: Interview: CAPI
7: Selbst ausgefüllter Fragebogen
8: Selbst ausgefüllter Fragebogen: Papier/Bleistift
9: Selbst ausgefüllter Fragebogen: Web-basiert
10: Selbst ausgefüllter Fragebogen: CASI
11: Selbst ausgefüllter Fragebogen: ACASI
12: Verschlüsselun
13: Transkription
14: Zusammenstellung
15: Synthese
16: (Ton-) Aufnahme
17: Simulation
18: Beobachtung
19: Beobachtung: Feld
20: Beobachtung: Labor
21: Beobachtung: Teilnehmer
22: Experimente
23: Fokus-Gruppe
24: Andere          </xs:documentation>
```

```
            <xs:documentation xml:lang="en">The method used to collect data:
1: Interview
2: Interview: Face-to-face
3: Interview: Telephone
4: Interview: E-mail
5: Interview: CATI
6: Interview: CAPI
7: Self-completed questionnaire
8: Self-completed questionnaire: Paper/pencil
9: Self-completed questionnaire: Web-based
10: Self-completed questionnaire: CASI
11: Self-completed questionnaire: ACASI
12: Coding
13: Transcription
14: Compilation
15: Synthesis
16: Recording
17: Simulation
18: Observation
19: Observation: Field
20: Observation: Laboratory
21: Observation: Participant
22: Experiments
23: Focus Group
24: Other          </xs:documentation>
         </xs:annotation>
         <xs:simpleType>
            <xs:restriction base="xs:integer">
               <xs:minInclusive value="1"/>
               <xs:maxInclusive value="24"/>
            </xs:restriction>
         </xs:simpleType>
      </xs:element>
      <!-- 25. collection mode free -->
      <xs:element name="collectionModeFree">
         <xs:annotation>
            <xs:documentation xml:lang="de">Möglichkeit, das Erhebungsverfahren zu beschreiben, wenn in der
kontrollierten Liste keine passenden Begriffe gefunden werden.
Wenn Sie in diesem Freitextfeld einen formatierten Text eingeben möchten, sind zur Verwendung folgende
HTML Tags zugelassen: für Absätze: <![CDATA[<p>]]> ; für nummerierte Listen: <![CDATA[<ol>]]> ; für
Aufzählungslisten (unsortierte Liste): <![CDATA[<ul>]]> ; für Listeneintrag innerhalb einer Liste:
<![CDATA[<li>]]>; für logische Auszeichnungen im Text (um einen Text hervorzuheben): <![CDATA[<strong>]]>
; für einen Zeilenumbruch: <![CDATA[<br>]]>. Da wir XHTML-Standard-konform arbeiten, sind alle Tags zu
schließen (also <![CDATA[<p>Text</p>]]>). </xs:documentation>
            <xs:documentation xml:lang="en">Provides the possibility to describe the collection mode if there are
no appropriate terms in controlled vocabulary.
For formatting of the text the following HTML Tags are allowed: for paragraphs: <![CDATA[<p>]]> ; for
numbered lists: <![CDATA[<ol>]]> ; for enumeration lists (unordered lists): <![CDATA[<ul>]]> ; for a list entry
within a list: <![CDATA[<li>]]>; for logical makeups in the text (to highlight the text): <![CDATA[<strong>]]> ;
for line wraps: <![CDATA[<br>]]>. According to XHTML-Standard, all tags are to close. (also
<![CDATA[<p>Text</p>]]>).</xs:documentation>
         </xs:annotation>
         <xs:complexType>
            <xs:all maxOccurs="1" minOccurs="1">
               <xs:element ref="language" minOccurs="1" maxOccurs="1"/>
               <xs:element minOccurs="1" maxOccurs="1" name="modeFree" type="richtext"/>
            </xs:all>
         </xs:complexType>
      </xs:element>
      <xs:element name="collectionModesFree">
         <xs:complexType>
```

```
            <xs:sequence>
               <xs:element ref="collectionModeFree" maxOccurs="2" minOccurs="1"/>
            </xs:sequence>
         </xs:complexType>
         <xs:unique name="collectionModeLanguage">
            <xs:selector xpath="collectionModeFree/language"/>
            <xs:field xpath="."/>
         </xs:unique>
      </xs:element>
      <!-- 26. dataset-->
      <xs:element name="dataSet">
         <xs:annotation>
            <xs:documentation xml:lang="de">Gesamtheit aller Daten.
            </xs:documentation>
            <xs:documentation xml:lang="en">Entirety of all data.</xs:documentation>
         </xs:annotation>
         <xs:complexType>
            <xs:sequence maxOccurs="1" minOccurs="1">
               <xs:element ref="language"/>
               <xs:element name="unitType" minOccurs="0">
                  <xs:annotation>
                     <xs:documentation xml:lang="de">Typ der Einheiten, zu denen der/die Datensatz/Studie
Aussagen trifft:
1: Individuum
2: Organisation
3: Familie
4: Familie, im selben Haushalt
5: Haushalt
6: Wohneinheit
7: Ereignis/ Prozess
8: Geographische Einheit
9: Zeiteinheit
10: Texteinheit
11: Gruppe
12: Objekt
13: Sonstiges                  </xs:documentation>
            <xs:documentation xml:lang="en"> The type of units of analyses or observation that the study
describes.
1: Individual
2: Organization
3: Family
4: Family: Household family
5: Household
6: Housing Unit
7: Event/Process
8: Geographic Unit
9: Time Unit
10: Text Unit
11: Group
12: Object
13: Other  </xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                     <xs:restriction base="xs:integer">
                        <xs:minInclusive value="1"/>
                        <xs:maxInclusive value="13"/>
                     </xs:restriction>
                  </xs:simpleType>
               </xs:element>
               <xs:element maxOccurs="1" name="numberUnits" type="xs:int"/>
               <xs:element minOccurs="0" maxOccurs="1" name="numberVariables" type="xs:int"/>
```

```
            <xs:element minOccurs="0" maxOccurs="1" name="dataType" type="xs:string"/>
            <xs:element minOccurs="0" ref="files"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:element name="dataSets">
      <xs:complexType>
         <xs:sequence>
            <xs:element ref="dataSet" minOccurs="1" maxOccurs="unbounded"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>

   <!-- 27. file:technical description of the data -->
   <xs:element name="file">
      <xs:annotation>
         <xs:documentation xml:lang="de">Technische Beschreibung der Daten: Format des Datensatzes,
Größe des beschriebenen Objekts; Prüfsumme, die die Authentizität der Datei belegt; Datei, auf den sich der
jeweilige Fingerprint bezieht; technisches Verfahren, mit dem der Fingerprint  gebildet wurde.
         </xs:documentation>
         <xs:documentation xml:lang="en">Technical description of the data: format of the data file, size
information; the checksum which confirms the authenticity of the file; the name of the file to which the
respective fingerprint refers; technical procedure generating data fingerprint.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence maxOccurs="1" minOccurs="1">
            <xs:element name="name" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="format" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="size" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="fingerprint" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="fingerprintMethod" type="xs:string"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:element name="files">
      <xs:complexType>
         <xs:sequence>
            <xs:element ref="file" minOccurs="1" maxOccurs="unbounded"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>

   <!-- 28. notes -->
   <xs:element name="notes">
      <xs:complexType>
         <xs:sequence>
            <xs:element ref="note" minOccurs="1" maxOccurs="2"/>
         </xs:sequence>
      </xs:complexType>
      <xs:unique name="noteLanguage">
         <xs:selector xpath="note/language"/>
         <xs:field xpath="."/>
      </xs:unique>
   </xs:element>
   <xs:element name="note">
      <xs:annotation>
         <xs:documentation xml:lang="de">Hinweise auf weitere relevante Informationen.</xs:documentation>
         <xs:documentation xml:lang="en">References to further relevant information on a
study.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
```

```
            <xs:all maxOccurs="1" minOccurs="1">
               <xs:element ref="language" maxOccurs="1"/>
               <xs:element maxOccurs="1" name="text" type="xs:string"/>
            </xs:all>
         </xs:complexType>
      </xs:element>

      <!-- *29/30 availability controlled/free-->
      <xs:element name="availability">
         <xs:complexType mixed="false">
            <xs:sequence maxOccurs="1" minOccurs="1">
               <xs:element maxOccurs="1" ref="availabilityControlled"/>
               <xs:element maxOccurs="2" ref="availabilityFree" minOccurs="0"/>
            </xs:sequence>
         </xs:complexType>
         <xs:unique name="availabilityLanguage">
            <xs:selector xpath="availabilityFree/language"/>
            <xs:field xpath="."/>
         </xs:unique>
      </xs:element>
      <xs:element name="availabilityControlled">
         <xs:annotation>
            <xs:documentation xml:lang="de">Möglichkeiten/Bedingungen des Datenzugangs.
1: Download
2: lieferbar
3: Vor-Ort-Nutzung
4: nicht verfügbar
5: unbekannt</xs:documentation>
            <xs:documentation xml:lang="en">Conditions governing the access to primary data.
1: Download
2: Delivery
3: Onsite
4: Not Available
5: Unknown</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
            <xs:restriction base="xs:integer">
               <xs:minInclusive value="1"/>
               <xs:maxInclusive value="5"/>
            </xs:restriction>
         </xs:simpleType>
      </xs:element>
      <xs:element name="availabilityFree">
         <xs:annotation>
            <xs:documentation xml:lang="de">Zusätzliche Angaben zur Verfügbarkeit.</xs:documentation>
            <xs:documentation xml:lang="en"> Additional specification of data availability.</xs:documentation>
         </xs:annotation>
         <xs:complexType>
            <xs:all minOccurs="1">
               <xs:element ref="language"/>
               <xs:element name="availabilityText" type="xs:string"/>
            </xs:all>
         </xs:complexType>
      </xs:element>

      <!-- 31.rights -->
      <xs:element name="rights">
         <xs:complexType mixed="false">
            <xs:sequence maxOccurs="1" minOccurs="1">
               <xs:element maxOccurs="2" ref="right"/>
            </xs:sequence>
```

```
      </xs:complexType>
      <xs:unique name="rightLanguage">
        <xs:selector xpath="right/language"/>
        <xs:field xpath="."/>
      </xs:unique>
    </xs:element>
    <xs:element name="right">
      <xs:annotation>
        <xs:documentation xml:lang="de">Informationen zu den mit der Ressource verknüpften
Rechten.</xs:documentation>
        <xs:documentation>Any rights information on the study.</xs:documentation>
      </xs:annotation>
      <xs:complexType mixed="false">
        <xs:all maxOccurs="1" minOccurs="1">
          <xs:element ref="language" maxOccurs="1"/>
          <xs:element maxOccurs="1" name="rightsText">
            <xs:simpleType>
              <xs:restriction base="nonemptycontentStringType"/>
            </xs:simpleType>
          </xs:element>
        </xs:all>
      </xs:complexType>
    </xs:element>

    <!-- 32.relation -->
    <xs:element name="relation">
      <xs:annotation>
        <xs:documentation xml:lang="de">Persistent Identifier der verwandten
Resoourcen.</xs:documentation>
        <xs:documentation xml:lang="en">Persistent Identifiers of related resources.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence maxOccurs="1" minOccurs="1">
          <xs:element maxOccurs="1" name="identifier">
            <xs:simpleType>
              <xs:restriction base="nonemptycontentStringType"/>
            </xs:simpleType>
          </xs:element>
          <xs:element name="identifierType">
            <xs:annotation>
              <xs:documentation>Typ der weiteren Persistent Identifier; The type of the related
identifiers</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:pattern
                  value="ARK|DOI|EAN13|EISSN|Handle|ISBN|ISSN|ISTC|LISSN|LSID|PURL|UPC|URL|URN"
                />
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="relationType">
            <xs:annotation>
              <xs:documentation>Beziehung der Studie zu verwandten Ressourcen; The relation of the
study to the related resources:
1: IsCitedBy (Wird zitiert von)
2: Cites (Zitiert)
3: IsSupplementTo (Ist Ergänzung zu)
4: IsSupplementedBy (Wird ergänzt durch)
5: IsContinuedBy (Wird fortgesetzt von)
6: Continues (Setzt fort)
```

```
7: IsPreviousVersionOf (Ist vorherige Version von)
8: IsPartOf (Ist Teil von)
9: HasPart (Enthält Teil von)
10: IsReferencedBy (Wird referenziert von)
11: References (Verweist auf / Referenziert)
12: IsDocumentedBy (Wird dokumentiert von)
13: Documents (Dokumentiert)
14: isCompiledBy (Erstellt von)
15: Compiles (erstellt)
16: IsVariantFormOf (Ist Variante von)
17: IsOriginalFormOf (Ist Original von)
18: IsNewVersionOf (Ist neue Version von)</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                   <xs:restriction base="xs:integer">
                      <xs:minInclusive value="1"/>
                      <xs:maxInclusive value="18"/>
                   </xs:restriction>
                </xs:simpleType>

             </xs:element>
          </xs:sequence>
       </xs:complexType>
    </xs:element>
    <xs:element name="relations">
       <xs:complexType>
          <xs:sequence>
             <xs:element ref="relation" minOccurs="1" maxOccurs="unbounded"> </xs:element>
          </xs:sequence>
       </xs:complexType>
    </xs:element>

    <!-- 33.publications -->
    <xs:element name="publications">
       <xs:annotation>
          <xs:documentation xml:lang="de">Wissenschaftliche Veröffentlichungen, die sich inhaltlich auf den
registrierten Datensatz beziehen.
             </xs:documentation>
          <xs:documentation xml:lang="en">The scientific publications relating to the registered study in terms
of content.</xs:documentation>
       </xs:annotation>
       <xs:complexType>
          <xs:sequence minOccurs="1" maxOccurs="1">
             <xs:element maxOccurs="unbounded" ref="publication"/>
          </xs:sequence>
       </xs:complexType>
    </xs:element>
    <xs:element name="publication">
       <xs:complexType>
          <xs:choice maxOccurs="1" minOccurs="1">
             <xs:element maxOccurs="1" ref="unstructuredPublication" minOccurs="1"/>
             <xs:element ref="structuredPublication" maxOccurs="1" minOccurs="1"/>
          </xs:choice>
       </xs:complexType>
    </xs:element>
    <!-- 33.1. structured-->
    <xs:element name="structuredPublication">
       <xs:annotation>
          <xs:documentation xml:lang="de">Strukturierte wissenschaftliche Veröffentlichungen, die sich
inhaltlich auf die registrierte Studie beziehen.
             </xs:documentation>
```

```
        <xs:documentation xml:lang="en">Structured recording of the scientific publications relating to the
registered study in terms of content.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence maxOccurs="1" minOccurs="1">
          <xs:element name="doctype" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Typ der Veröffentlichung. The type of the document:
                1: Working Paper (Arbeitspapier)
                2: Article (Aufsatz)
                3: Report (Bericht)
                4: Book/Monograph (Buch/Monographie)
                5: Manuscript (Handschrift)
                6: Reference book (Nachschlagewerk)
                7: Review (Rezension)
                8: Series (Schriftenreihe)
                9: Journal (Zeitschrift)
                10: Magazine (Zeitung)
              </xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:integer">
                <xs:minInclusive value="1"/>
                <xs:maxInclusive value="10"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element ref="authorsEditors" maxOccurs="1"/>
          <xs:element maxOccurs="1" name="title">
            <xs:simpleType>
              <xs:restriction base="nonemptycontentStringType"/>
            </xs:simpleType>
          </xs:element>
          <xs:element minOccurs="0" maxOccurs="1" name="year" type="xs:gYear"/>
          <xs:element minOccurs="0" maxOccurs="1" name="publisher" type="xs:string"/>
          <xs:element minOccurs="0" name="places" type="xs:string">
            <xs:annotation>
              <xs:documentation>Erscheinungsort(e) der Publikation; Publication place</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element minOccurs="0" maxOccurs="1" name="journal" type="xs:string"/>
          <xs:element minOccurs="0" maxOccurs="1" name="volume" type="xs:string"/>
          <xs:element minOccurs="0" maxOccurs="1" name="issue" type="xs:string"/>
          <xs:element minOccurs="0" maxOccurs="1" name="anthology" type="xs:string"/>
          <xs:element minOccurs="0" maxOccurs="1" name="pages" type="xs:string"/>
          <xs:element minOccurs="0" maxOccurs="1" name="isbn" type="xs:string"/>
          <xs:element ref="ISSNs" minOccurs="0" maxOccurs="1"/>
          <xs:element minOccurs="0" maxOccurs="1" name="sowiportID" type="xs:string"/>
          <xs:element ref="PIDs" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <xs:element name="authorsEditors">
      <xs:annotation>
        <xs:documentation/>
      </xs:annotation>
      <xs:complexType mixed="false">
        <xs:sequence>
          <xs:element maxOccurs="unbounded" ref="authorEditor"/>
        </xs:sequence>
```

```
    </xs:complexType>
  </xs:element>
  <xs:element name="authorEditor">
    <xs:annotation>
      <xs:documentation xml:lang="de">Name eines Autors oder Herausgebers für eine
Publikation.</xs:documentation>
      <xs:documentation xml:lang="en">The name of an author or of an editor.</xs:documentation>
    </xs:annotation>
    <xs:complexType mixed="false">
      <xs:choice>
        <xs:element ref="author" maxOccurs="1" minOccurs="1"> </xs:element>
        <xs:element maxOccurs="1" minOccurs="1" ref="editor"> </xs:element>
      </xs:choice>
    </xs:complexType>
  </xs:element>
  <xs:element name="author">
    <xs:annotation>
      <xs:documentation xml:lang="de">Name, Vorname.</xs:documentation>
      <xs:documentation xml:lang="en">Surname, first name.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="firstName">
          <xs:annotation>
            <xs:documentation/>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="nonemptycontentStringType"/>
          </xs:simpleType>
        </xs:element>
        <xs:element name="middleName" type="xs:string" minOccurs="0"/>
        <xs:element name="lastName">
          <xs:simpleType>
            <xs:restriction base="nonemptycontentStringType"/>
          </xs:simpleType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="authors">
    <xs:complexType>
      <xs:sequence maxOccurs="unbounded" minOccurs="1">
        <xs:element ref="author"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name="editor">
    <xs:annotation>
      <xs:documentation xml:lang="de">Name einer Institution oder Person.</xs:documentation>
      <xs:documentation>The name of a person or an institution.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="name">
          <xs:annotation>
            <xs:documentation/>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="nonemptycontentStringType"/>
          </xs:simpleType>
        </xs:element>
```

```
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="editors">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="editor" maxOccurs="unbounded" minOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ISSNs">
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="unbounded" minOccurs="1" name="ISSN">
            <xs:annotation>
              <xs:documentation>International Standard Serial Number</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="nonemptycontentStringType"/>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <xs:element name="PID">
      <xs:annotation>
        <xs:documentation xml:lang="de">Weitere Persistent Identifier der
Veröffentlichung/Publikation.</xs:documentation>
        <xs:documentation xml:lang="en">Further Persistent Identifiers related to the
publication.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="ID">
            <xs:simpleType>
              <xs:restriction base="nonemptycontentStringType"/>
            </xs:simpleType>
          </xs:element>
          <xs:element ref="pidType"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="PIDs">
      <xs:complexType>
        <xs:sequence maxOccurs="unbounded" minOccurs="1">
          <xs:element ref="PID"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <!-- pid type -->
    <xs:element name="pidType">
      <xs:annotation>
        <xs:documentation xml:lang="de">Typ der weiteren Persistent Identifier.</xs:documentation>
        <xs:documentation xml:lang="en">The type of a further Persistent Identifier.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:pattern
            value="ARK|DOI|EAN13|EISSN|Handle|ISBN|ISSN|ISTC|LISSN|LSID|PURL|UPC|URL|URN"/>
        </xs:restriction>
      </xs:simpleType>
```

```
    </xs:element>

    <!-- 33.2. unstructured-->
    <xs:element name="unstructuredPublication">
        <xs:annotation>
            <xs:documentation xml:lang="de">Unstrukturierte Angaben zu  wissenschaftlichen
Veröffentlichungen, die sich inhaltlich auf die registrierte Studie beziehen.
 Wenn Sie in diesem Freitextfeld einen formatierten Text eingeben möchten, sind zur Verwendung folgende
HTML Tags zugelassen: für Absätze: <![CDATA[<p>]]> ; für nummerierte Listen: <![CDATA[<ol>]]> ; für
Aufzählungslisten (unsortierte Liste): <![CDATA[<ul>]]> ; für Listeneintrag innerhalb einer Liste:
<![CDATA[<li>]]>; für logische Auszeichnungen im Text (um einen Text hervorzuheben): <![CDATA[<strong>]]>
; für einen Zeilenumbruch: <![CDATA[<br>]]>. Da wir XHTML-Standard-konform arbeiten, sind alle Tags zu
schließen (also <![CDATA[<p>Text</p>]]>). </xs:documentation>
            <xs:documentation xml:lang="en">Unstructured recording of publications relating to the registered
study in terms of content.
For formatting of the text the following HTML Tags are allowed: for paragraphs: <![CDATA[<p>]]> ; for
numbered lists: <![CDATA[<ol>]]> ; for enumeration lists (unordered lists): <![CDATA[<ul>]]> ;  for a list entry
within a list: <![CDATA[<li>]]>; for logical makeups in the text (to highlight the text): <![CDATA[<strong>]]> ;
for line wraps: <![CDATA[<br>]]>. According to XHTML-Standard, all tags are to close. (also
<![CDATA[<p>Text</p>]]>).</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence maxOccurs="1" minOccurs="1">
                <xs:element maxOccurs="1" name="freetext" type="richtext"/>
                <xs:element ref="PIDs" minOccurs="0"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>

    <!-- *34.study identifier /current version-->
    <xs:element name="studyIdentifier">
        <xs:annotation>
            <xs:documentation xml:lang="de">Für dieses Element gibt es drei Möglichkeiten:
1. studyIdentifier und currentVersion sind nicht angegeben, dann werden beide vom System generiert und ein
neuer Datensatz wird gespeichert.
2. studyIdentifier wird angegeben, aber kein currentVersion, dann wird currentversion vom System generiert
und ein neuer Datensatz wird gespeichert.
3. studyIdentifier und currentVersion werden angegeben, dann wird geprüft, ob einen Datensatz im System
existiert und falls ja wird er aktualisiert, falls nein wird ein neuer Datensatz angelegt.</xs:documentation>
<xs:documentation xml:lang="en">There are three options for this element:
1. studyIdentifier and currentVersion are not indicated, in this case both are generated by the system and a
new dataset is recorded.
2. studyIdentifier is indicated, but not a currentVersion, in this case a currentVersion is generated by the
system and a new dataset is recorded.
3. studyIdentifier and currentVersion are indicated, in this case the system checks whether the imported
dataset already exists. If it is, the dataset is updated, if not, a new dataset is recorded.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence>
                <xs:element name="identifier">
                    <xs:simpleType>
                        <xs:restriction base="nonemptycontentStringType"/>
                    </xs:simpleType>
                </xs:element>
                <xs:element minOccurs="0" name="currentVersion">
                    <xs:simpleType>
                        <xs:restriction base="nonemptycontentStringType"/>
                    </xs:simpleType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
```

```
    </xs:element>

    <!-- ID group(identifier/schema/schemaURI) -->
    <xs:group name="ID">
        <xs:sequence>
            <xs:element name="identifier">
                <xs:simpleType>
                    <xs:restriction base="nonemptycontentStringType"/>
                </xs:simpleType>
            </xs:element>
            <xs:element name="identifierSchema">
                <xs:simpleType>
                    <xs:restriction base="nonemptycontentStringType"/>
                </xs:simpleType>
            </xs:element>
            <xs:element name="schemaURI" type="xs:anyURI"/>
        </xs:sequence>
    </xs:group>

    <!-- defines value for mandatory fields -->
    <xs:simpleType name="nonemptycontentStringType">
        <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
        </xs:restriction>
    </xs:simpleType>

    <xs:simpleType name="doiType">
        <xs:restriction base="xs:token">
            <xs:pattern value="[1][0][/.].*"/>
        </xs:restriction>
    </xs:simpleType>
    <!-- richtext -->
    <xs:complexType name="richtext" mixed="true">
        <xs:sequence maxOccurs="unbounded" minOccurs="0">
            <xs:element type="richtext" minOccurs="0" name="p" maxOccurs="unbounded"/>
            <xs:element minOccurs="0" name="br" maxOccurs="unbounded">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:length value="0"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element type="richtext" minOccurs="0" name="strong" maxOccurs="unbounded"/>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="ol">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="li" type="richtext" maxOccurs="unbounded"/>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="ul">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="li" type="richtext" maxOccurs="unbounded"/>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:schema>
```

5 Mappings

5.1 da|ra Version 1.0 to da|ra Version 2.2.1

Version 1.0		Version 2.2.1	
No.	Element	No.	Element
1	Title	1	Title
2	Other Titles	2	Other Titles
2.1	Title Type	2.1	Typ des Titels
3	Principal Investigator	4	Principal Investigator
3.1	Person	4.1	Person
3.1.1	Person ID	4.1.1	Person ID
3.1.2	Vocabulary of Person ID	4.1.1.1	Vocabulary of Person ID
3.1.3	Affiliation	4.1.1.3	Affiliation
3.2	Institution	4.2	Institution
3.2.1	Institution ID	4.2.1	Institution ID
3.2.2	Vocabulary of Institution ID	4.2.2.2	Vocabulary of Institution ID
4	Data Collector	23	Data Collector
4.1	Data Collector ID	23.1	Data Collector ID
4.2	Vocabulary of Data Collector ID	23.2	Vocabulary of Data Collector ID
5	Version	10	Version
6	Language	11	Language
7	Publication Date	12	Publication Date
8	Data Fingerprint	27.4	Data Fingerprint
8.1	Method Fingerprint	27.5	Method Fingerprint
9	Publication Agent	5	Publikation Agent
9.1	Homepage Publisher	5.1	Homepage Publisher
9.2	Contact Publisher	5.2	Contact Publisher
9.3	E-Mail Publisher	5.3	E-Mail Publisher
9.4	Logo	5.4	Logo
10	Registration Agency	6	Registration Agency
10.1	Homepage RA	6.1	Homepage RA
10.2	Contact RA	6.2	Contact RA
10.3	E-Mail RA	6.3	E-Mail RA
11	DOI	7	DOI
11.1	URL	8	URL
11.2	DOI Proposal	9	DOI Proposal
12	Alternate Identifier	13	Alternate Identifier
12.1	Alternate Identifier Type	13.1	Alternate Identifier Type

No.	Element	No.	Element
13	Classification	**14** **14A**	Classifikation Internal Classification External
13.1	Class ID	**14.1**	Class ID
13.2	Classification Vocabulary	**14.2**	Vocabulary
13.3	Classification URL	**14.3**	URI Classification Authority Record
14.	Keywords (controlled)	**15**	Keywords (controlled)
14.1	Keyword Identifier	**15.1**	Keyword Identifier
14.2	Vocabulary of keyword ID	**15.2**	Vocabulary of keyword ID
14.3	URI Keyword Authority Record	**15.3**	URI Keyword Authority Record
14.4	Keywords (free)	**16**	Keywords (free)
15	Description	**17**	Description
16	Population (Generic term)		
16.1	Geographic Coverage (controlled)	**18.1**	Geographic Coverage (controlled)
16.2	Geographic Coverage (free)	**18.2**	Geographic Coverage (free)
16.3	Sampled Universe	**19**	Sampled Universe
17	Sampling	**20**	Sampling
18	Temporal Coverage (controlled)	**21.1**	Temporal Coverage (controlled)
18.1	Temporal Coverage (free)	**21.2**	Temporal Coverage (free)
19	Collection Mode (controlled)	**24**	Collection Mode (controlled)
19.1	Collection Mode (free)	**25**	Collection Mode (free)
20	Dataset –Type of Units Dataset – Number of Units	**26.1** **26.2**	Type of Units Dataset – Number of Units
21	Number of Variables	**26.3**	Number of Variables
22	Resource Type	**0**	Ressource Type
23	File Format	**27.2**	File Format
24	Other Versions	**32**	Relation
25	Publications	**33.1**	Structured recording f publications
25.1	Author	**33.1.1**	Author
25.2	Editor	**33.1.2**	Editor
25.2	Title	**33.1.3**	Title
25.4	Year	**33.1.4**	Year
25.5	Publisher	**33.1.5**	Publisher
25.6	Publication Place	**33.1.6**	Publication Place
25.7	Journal/Series	**33.1.7**	Journal/Series
25.8	Volume	**33.1.8**	Volume
25.9	Issue	**33.1.9**	Issue
25.10	Anthology	**33.1.10**	Anthology
25.11	Pages	**33.1.11**	Pages
25.12	ISBN	**33.1.12**	ISBN
25.13	ISSN	**33.1.13**	ISSN
25.14	Publication Type	**33.1.14**	Publication Type

No.	Element	No.	Element
25.15	PID	**33.1.16**	PID
25.16	Publications	**33.2**	Unstructured recording of publications
26	sowiport ID[5]	**33.1.15**	sowiport ID
27	Notes	**28**	Notes
28	Links	**28**	Notes
29	Availability (controlled)	**29**	Availability (controlled)
29.1	Availability (free)	**30**	Availability (free)
30	Size	**27.3**	Size
31	Rights	**31**	Rights

[5] The internal Identifier of the publication available at the social science portal sowiport.

5.2 da|ra Version 2.2.1 to DataCite Version 2.2.

No.	da|ra Element (German)	da|ra Property (English)	DataCite-Property
0	Typ der Ressource	Resource Type	10. ResourceType (10.1 resourceTypeGeneral)
1	Titel	Title	3. Title
2	Weitere Titel	Other Titles	3. Title
2.1	Typ des Titels	Title Type	3.1 titleType
4	Primärforscher	Principal Investigator	2. Creator
4.1	Person	Person	2.1 creatorName
4.1.4	ID Person	Person ID	2.2 nameIdentifier
4.1.4.1	Vokabular ID Person	Vocabulary of Person ID	2.2.1 nameIdentifierScheme
4.1.4.2	URI zum Normendatensatz	URI Name Authority record	2.2.1 nameIdentifierScheme
4.1.4.3	Affiliation	Affiliation	
4.1.4.3.1	ID Affiliation	Affiliation ID	
4.1.4.3.2	Vokabular ID Affiliation	Vocabulary of ID Affiliation	
4.1.4.3.3	URI Vokabular ID Affiliation	URI Vocabulary Affiliation ID	
4.2	Institution	Institution	2.1 creatorName
4.2.1	ID Institution	Institution ID	2.2 nameIdentifier
4.2.2	Vokabular ID Institution	Vocabulary of Institution ID	2.2.1 nameIdentifierScheme
4.2.3	URL Vokabular	URI of Vocabulary of Institution ID	2.2.1 nameIdentifierScheme
5	Publikationsagent	Publication Agent	4. Publisher
5.1	Homepage Publikationsagent	Homepage Publisher	
5.2	Kontaktperson	Contact Publisher	
5.3	E-Mail	E-Mail Publisher	
5.4	Logo	Logo	
6	Registrierungsagentur	Registration Agency	7. Contributor (7.1 contributorType - RegistrationAgency, 7.2 contributorName)
6.1	Homepage Regegistrierungs-agentur	Homepage Registration Agency	
6.2	Kontaktperson	Contact Registration Agency	
6.3	E-Mail Registrierungsagentur	E-Mail Registration Agency	
6.4	Registrierungsagentur-ID	Registration Agency ID	
7	DOI	DOI	1. Identifier (1.1 identifierType - DOI)
8	URL	URL	
9	DOI Vorschlag	DOI Proposal	
10	Version	Version	15. Version
11	Sprache	Language	9. Language

No.	da|ra Element (German)	da|ra Property (English)	DataCite-Property
12	Veröffentlichungsdatum	Publication Date	5. PublicationYear
13	Weiterer Identifier	Alternative Identifier	11 AlternateIdentifier
13.1	Typ des Identifiers	Alternate Identifier Type	11.1 alternateIdentifierType
14	Klassifikation intern	Classification internal	6. Subject
14.1	Identifier der Klasse	Class ID	6. Subject
14.2	Vokabular	Vocabulary	6.1 subjectScheme
14.3	URL Klassifikation	Classification URL	6.1 subjectScheme
14A	Klassifikation extern	Classification external	6. Subject
14A.1	Vokabular	Vocabulary	6.1 subjectScheme
15	Schlagworte (kontrolliert)	Keywords (controlled)	6. Subject
15.1	Identifier des Schlagwortes	Keyword ID	6. Subject
14.2	Vokabular	Vocabulary	6.1 subjectScheme
15.3	URL Vokabular	Vocabulary URL	6.1 subjectScheme
16	Schlagworte (frei)	Keywords (free)	6. Subject
17	Beschreibung	Description	17. Description
17.1	Art der Beschreibung	Description Type	17.1 descriptionType
18	Geographischer Raum (Oberbegriff für 18.1-18.2)	Geographic Coverage (Generic term for 18.1-18.2)	
18.1	Geographischer Raum (kontrolliert)	Geographic Coverage (controlled)	
18.2	Geographischer Raum (frei)	Geographic Coverage (free)	
19	Grundgesamtheit	Sampled Universe	
20	Auswahlverfahren	Sampling	
21	Referenzzeitraum (Oberbegrif für 21.1-21.2)	Temporal Coverage (Generic term for 21.1-21.2)	
21.1	Referenzzeitraum (Formal)	Temporal Coverage (Formal)	8. Date, 8.1 dateType (for StartDate/EndDate)
21.2	Referenzzeitraum (frei)	Temporal Coverage (free)	8. Date
22	Zeitliche Dimension (Oberbegriff für 22.1-22.3)	Time Dimension (Generic term for 22.1-22.2)	
22.1	Zeitliche Dimension (kontrolliert)	Time Dimension (contr.)	
22.2	Zeitliche Dimension (frei)	Time Dimension (free)	
22.3	Frequenz	Frequency	
23	Datenerhebung	Data Collector	7. Contributor (7.1 contributorType – DataCollector, 7.2 contributorName)
23.1	ID Datenerhebung	Data Collector ID	7.3 nameIdentifier
23.2	Vokabular ID Datenerhebung	Vocabulary of Data Collector ID	7.3.1 nameIdentifierScheme
23.3	URL Vokabular	URI Data Collector Authority Record	7.3.1 nameIdentifierScheme
24	Erhebungsverfahren (kontrolliert)	Collection Mode (controlled)	

No.	da|ra Element (German)	da|ra Property (English)	DataCite-Property
25	Erhebungsverfahren (frei)	Collection Mode (free)	
26	Datensatz (Oberbegriff für die Gesamtheit aller Daten 26.1-26.5)	Dataset (Generic term for 26.1-26.5)	
26.1	Typ der Einheiten	Type of Units	
26.2	Anzahl der Einheiten	Number of Units	
26.3	Anzahl der Variablen	Number of Variables	
26.4	Typ der Daten	Type of Data	
27	technische Beschreibung der Daten (Oberbegriff für 26.1-26.5)	Technical description of the data (Generic term for 26.1-26.5)	
27.1	Dateiname	File Name	
27.2	Datenformat	File Format	14. Format
27.3	Größe	Size	13. Size
27.4	Daten-Fingerprint	Data Fingerprint	
27.5	Verfahren Fingerprint	Method Fingerprint	
28	Anmerkungen	Notes	
29	Verfügbarkeit (kontrolliert)	Availability (controlled)	
30	Verfügbarkeit (frei)	Availability (free)	
31	Rechte	Rights	16 Rights
32	Relation	Relation	12: RelatedIdentifier
32.1	Art der Relation	Kind of Relation	12.2: relationType
32.2	Typ des Identifiers	Identifier Type	12.1: relatedIdentifierType

5.3 da|ra Version 2.2.1 to DDI Version 3.1

No.	da|ra 2.2.1 (German)	da|ra 2.2.1 (English)	DDI 3.1
0	Typ der Ressource	Resource Type	s:StudyUnit/r:Citation/dcore:DCElements/dcore2:type>
1	Titel	Title	s:StudyUnit/r:Citation/r:Title
2	Weitere Titel	Other Titles	s:StudyUnit/r:Citation/r:SubTitle s:StudyUnit/r:Citation/r:AlternateTitle s:StudyUnit/r:Citation/r:AlternateTitle translated="true"
2.1	Typ des Titels	Title Type	
4	Primärforscher	Principal Investigator	wrapping element
4.1	Person	Person	s:StudyUnit/r:Citation/r:Creator OR a:Archive/a:OrganizationScheme/a:Individual/a: Name
4.1.4	ID Person	Person ID	a:Archive/a:OrganizationScheme/a:Individual/ a:ResearcherID/a:Identifier
4.1.4.1	Vokabular ID Person	Vocabulary of Person ID	a:Archive/a:OrganizationScheme/a:Individual/a:ResearcherID/a:Type
4.1.4.2	URI Vokabular	URL of Vocabulary Person ID	a:Archive/a:Individual/a:Individual/a:ResearcherID/a:URI
4.1.4.3	Affiliation	Affiliation	a:Archive/a:OrganizationScheme/a:Organization/a:OrganizationName
4.1.4.3.1	ID Affiliation	Affiliation ID	a:Archive/a:OrganizationScheme/a:Organization/r:UserID
4.1.4.3.2	Vokabular ID Affiliation	Vocabulary of Affiliation ID	a:Archive/a:OrganizationScheme/a:OrganizationSchemeName/r:UserID@type
4.1.4.3.3	URI Vokabular ID Affiliation	URI of Vocabulary of Affiliation ID	a:Archive/a:OrganizationScheme/a:OrganizationSchemeName/a:location/a:URL
4.2	Institution	Institution	s:StudyUnit/r:Citation/r:Creator/ a: Name or s:StudyUnit/a:Archive/a:OrganizationScheme/a:Organization
4.2.1	ID Institution	Institution ID	a:Archive/a:OrganizationScheme/a:Organization/r:UserID
4.2.2	Vokabular Institution- ID	Vocabulary of Institution ID	a:Archive/a:OrganizationScheme/a:OrganizationSchemeName/r:UserID @type""
4.2.3	URI Vokabular	URI Vocabulary Institution ID	a:Archive/a:OrganizationScheme/a:OrganizationSchemeName/a:location/a:URL
5	Publikationsagent	Publication Agent	s:StudyUnit/r:Citation/r:Publisher
5.1	Homepage Publikations-agent	Homepage Publisher	a:Archive/a:OrganizationScheme/a:Organization/a:URL
5.2	Kontaktperson	Contact Person	a:Archive/a:OrganizationScheme/a:Organization/a:Individual/a:Name
5.3	E-Mail	E-Mail Publisher	a:Archive/a:OrganizationScheme/a:Organization/a:Individual/a:Email
5.4	Logo	Logo	a:Archive/a:OrganizationScheme/a:Organization/r:Image

No.	da|ra 2.2.1 (German)	da|ra 2.2.1 (English)	DDI 3.1
6	Registrierungs-agentur	Registration Agency	s:StudyUnit/r:Citation/r:Contributor role="RegistrationAgency" OR a:Archive/a:OrganizationScheme/a:Organization/a:OrganizationName With a:Role/ r:Description= "RegistrationAgency"
6.1	Homepage Registrierungs-agentur	Homepage Registration Agency	a:Archive/a:OrganizationScheme/a:Organization/a:URL
6.2	Kontaktperson	Contact Person	a:Archive/a:OrganizationScheme/a:Organization/a:Individual/a: Name
6.3	E-Mail Registrierungs-agentur	E-Mail Registration Agency	a:Archive/a:OrganizationScheme/a:Organization/a:Individual/a:Email
6.4	Registrierungs-agentur-ID	Registration Agency ID	a:Archive/a:OrganizationScheme/a:Organization/r:UserID type="RegistrationAgencyID"
7	DOI	DOI	s:StudyUnit><r:Citation><r:InternationalIdentifier type="DOI> OR pi:PhysicalInstance/pi:DataFileIdentification/r:UserID type="DOI"
8	URL	URL	pi:PhysicalInstance/pi:DataFileIdentification/pi:URI
10	Version	Version	IF Version syntax is like n.n.n: pi:PhysicalInstance version=""
11	Sprache	Language	s:StudyUnit/r:Citation/r:Language
12	Veröffentlichungs-datum	Publication Date	s:StudyUnit/r:Citation/r:PublicationDate/r:SimpleDate
13	Weiterer Identifier	Alternative Identifier	s:StudyUnit/r:UserID OR s:StudyUnit/a:Archive/a:ArchiveSpecific/a:Item/a:CallNumber
13.1	Typ des Identifiers	Alternative Identifier Type	s:StudyUnit/r:UserID type=""
14	Klassifikation intern	Classification	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Subject
14.1	Identifier der Klasse	Class ID	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Subject
14.2	Vokabular	Vocabulary	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Subject
14.3	URI Klassifikation	Classification URI	
14A	Klassifikation extern	Classification external	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Subject
14A1	Vokabular	Vocabulary	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Subject@codeListID
15	Schlagworte (kontrolliert)	Keywords (controlled)	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Keywords
15.1	Identifier des Schlagwortes	Keyword ID	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Keywords
15.2	Vokabular	Vocabulary	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Keywords@c

No.	da|ra 2.2.1 (German)	da|ra 2.2.1 (English)	DDI 3.1
			odeListID
15.3	URI Vokabular	URI Vocabulary	
16	Schlagworte (frei)	Keywords (free)	s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Keywords
17	Beschreibung	Description	s:StudyUnit/r:Abstract/r:Content
17.1	Art der Beschreibung	Description Type	<s:StudyUnit/r:Abstract/r:UserID
18.1	Geographischer Raum (kontrolliert)	Geographic Coverage (controlled)	s:StudyUnit/r:Coverage/r:SpatialCoverage
18.2	Geographischer Raum (frei)	Geographic Coverage (free)	s:StudyUnit/r:Coverage/r:SpatialCoverage
19	Grundgesamtheit	Sampled Universe	s:StudyUnit/r:UniverseReference/r:ID With ID pointing to Universe: c:ConceptualComponent/c:UniverseScheme/c:Universe/c:HumanReadable
20	Auswahl-verfahren	Sampling	s:StudyUnit/dc:DataCollection/dc:Methodology/r:SamplingProcedure
21.1	Referenzzeitraum (Formal)	Temporal Coverage (Formal)	s:StudyUnit/r:Coverage/r:TemporalCoverage/r:ReferenceDate/r:StartDate OR r:EndDate
21.2	Referenzzeitraum (frei)	Temporal Coverage (free)	s:StudyUnit/r:Coverage/r:TemporalCoverage/r:ReferenceDate/r:StartDate OR r:EndDate
22.1	Zeitliche Dimension (kontrolliert)	Time Dimension (controlled)	s:StudyUnit/dc:DataCollection/dc:Methodology/dc:TimeMethod
22.2	Zeitliche Dimension (frei)	Time Dimension (free)	s:StudyUnit/dc:DataCollection/dc:Methodology/dc:TimeMethod
22.3	Frequenz	Frequency	s:StudyUnit/d:DataCollection/d:CollectionEvent/d:DataCollectionFrequency/a:IntendedFrequency
23	Datenerhebung	Data Collector	s:StudyUnit/a:Archive/a:OrganizationScheme/a:Organization/or a:OrganizationName/a:Relation/a:OrganizationReference OR a:IndividualReference
23.1	ID Datenerhebung	Data Collector ID	s:StudyUnit/a:Archive/a:OrganizationScheme/a:Organization/r:UserID type="DataCollectorID">
23.2	Vokabular ID Datenerhebung	Vocabulary Data Collector ID	a:Archive/a:OrganizationScheme/a:OrganizationSchemeName
23.3	URI Vokabular	URI Vocabulary Data Collector ID	a:Archive/a:OrganizationScheme/a:OrganizationSchemeName/a:location/a:URL
24	Erhebungs-verfahren (kontrolliert)	Collection Mode (controlled)	s:StudyUnit/dc:DataCollection/dc:CollectionEvent/dc:ModeOfCollection
25	Erhebungs-verfahren (frei)	Collection Mode (free)	s:StudyUnit/dc:DataCollection/dc:CollectionEvent/dc:ModeOfCollection
26	Datensatz	Dataset	(wrapper)
26.1	Typ der Einheiten	Type of Units	s:StudyUnit/r:AnalysisUnitsCovered>
26.2	Anzahl der Einheiten	Number of Units	s:StudyUnit/pi:PhysicalInstance/pi: GrossFileStructure/pi:CaseQuantity

No.	da|ra 2.2.1 (German)	da|ra 2.2.1 (English)	DDI 3.1
26.3	Anzahl der Variablen	Number of Variables	s:StudyUnit/l:LogicalProduct/l:DataRelationship/l:LogicalRecord/r:VariableQuantity
26.4	Typ der Daten	Type of Data	s:StudyUnit/r:KindOfData
27	Technische Beschreibung der Daten	Technical description of the data	(wrapper)
27.1	Dateiname	File Name	s:StudyUnit/pi:PhysicalInstance/pi:DataFileIdentification/pi:Path
27.2	Datenformat	File Format	s:StudyUnit/pd:PhysicalDataProduct/pd:PhysicalStructureScheme/pd:PhysicalStructure/pd:Format OR a:Archive/a:ArchiveSpecific/a:Itema:Format
27.3	Größe	Size	s:StudyUnit/<pi:PhysicalInstance/pi:GrossFileStructure/pi:CaseQuantity OR (if unit "datafile" is known) a:Archive/a:ArchiveSpecific/a:Item a:DataFileQuantity
27.4	Daten-Fingerprint	Data Fingerprint	s:StudyUnit/pi:PhysicalInstance/pd:Fingerprint/pd:Value
27.5	Verfahren Fingerprint	Method Fingerprint	s:StudyUnit/pi:PhysicalInstance/pd:Fingerprint/pd:AlgorithmSpecification
28	Anmerkungen	Notes	s:StudyUnit/a:Archive/r:Notes
29	Verfügbarkeit (kontrolliert)	Availability (controlled)	s:StudyUnit/a:Archive/a:Access/a:AccessConditions/a:AccessType
30	Verfügbarkeit (frei)	Availability (free)	s:StudyUnit/a:Archive/a:Access/a:AccessConditions/a:AccessType
31	Rechte	Rights	s:StudyUnit/dcore:DCElements/dcore2:rights
32	Relation	Relation	s:StudyUnit/OtherMaterial/r:UserID
32.1	Art der Relation	Kind of Relation	s:StudyUnit/OtherMaterial/r:Relationship/r:RelationshipDescription
32.2	Typ des Identifiers	Identifier Type	s:StudyUnit/OtherMaterial/r:UserID@type